Guernsey Breeders' Journal

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What's Coming

Who's Who

Victor A. Rice and W. T. Smith, the authors of "Efficiency of Feed Utilization in Dairy Cattle," are of the Massachusetts Agricultural College. Professor Rice is well-known to our readers, having presented, through the pages of the Journal, several articles during the past year.

George N. Angell, who reported the "Northwest Washington Field Day," is editor of The Oregon Farmer, one of the Northwest Trio publications.

King's Cups Show

During the week ending July 28 there was held on the Island of Guernsey the King's Cups Show. Through the courtesy of the Guernsey Weekly Press a full report is given with the winners in this event, in the September 15 issue.

The Alderney Cattle Show

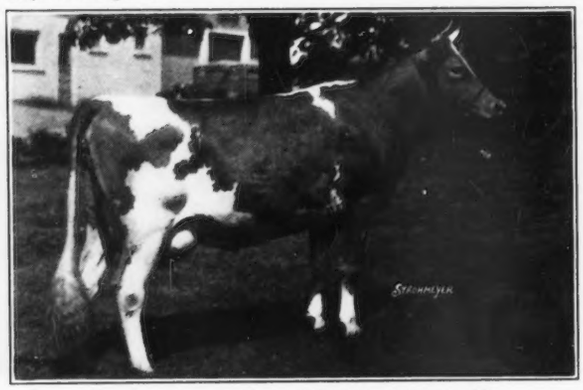
This year's Guernsey cattle show on the Island of Alderney was one of the best. The classes were well filled and some ninety farmers and breeders from the Island of Guernsey attended the event. A full report will appear in the issue of September 15.

Field Days

Among the field days to be reported in the coming issue will be that of the Iowa Guernsey Breeders Association annual picnic which was held at the farm of George Mahr and Sons, Indianola, Iowa.

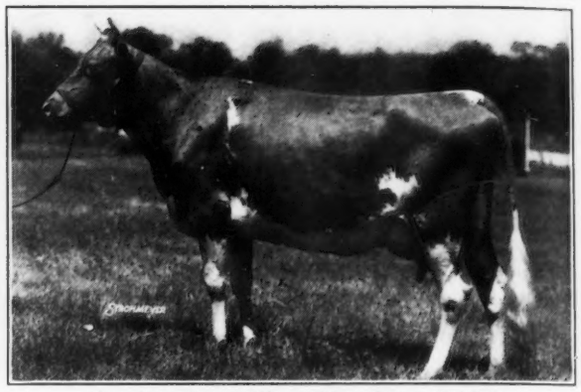
Four Outstanding Granddaughters of Langwater Holliston 28055, A. R.

Royal's daughter



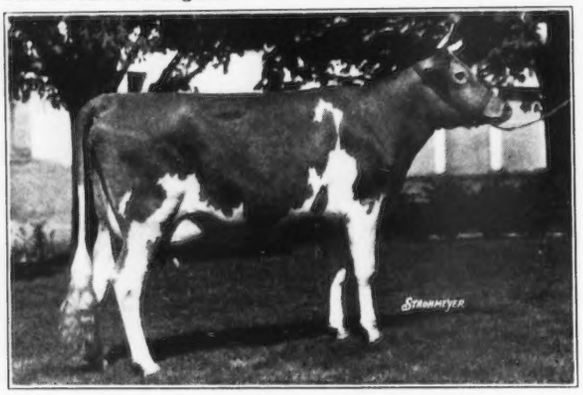
Rockingham Royal Lil 370946, A. R.
Born October 29, 1930
11431.6 lbs. milk 578.4 lbs. fat, Class G
On retest in E, 111 days made 5120.3 lbs. milk, 228.47 lbs. fat
Sire: Rockingham Royal Holliston 112267, A. R.
Sire of 8 A. R. daughters and 2 A. R. sons.
Dam: Florham Lilac 205960, A. R.
11941.7 lbs. milk, 692.4 lbs. fat, Class D
14062.9 lbs. milk, 728.1 lbs. fat, Class B
13911.6 lbs. milk, 759.2 lbs. fat, Class A
Dam of 1 A. R. daughter
"Royal Lil" took fourth prize at Eastern States, 1933, 2 years and under 3 (16 entries), also 2nd prize in the Heifer Class National Futurity of the National Dairy Show, 1933, in the test and show class.

Ne Plus Ultra's daughter



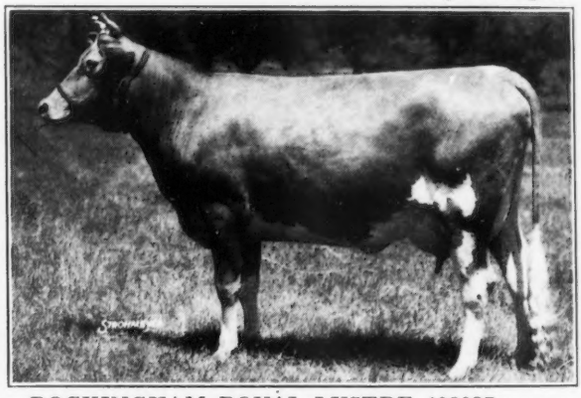
Rockingham Ultra May Rose 403078
Born December 14, 1931
On test in Class G and in 91 days produced 3694.6 lbs. milk and 164.59 lbs. fat.
Sire: Rockingham Ne Plus Ultra 165452, A. R.
Sire of 5 A. R. daughters.
Dam: Rockingham Rosebud 348554, A. R.
10214.3 lbs. milk, 497.2 lbs. fat, Class GG. On re-entry test. By "Holliston's Slogan" and out of an A. R. dam with a record of 11208.4 lbs. milk, 537.5 lbs. fat, Class GG and that sold as a two year old for $2,500.

Sailor Prince's Daughter



Rockingham Princess Holly 377871
Born Jahuary 23, 1931
11473.8 lbs. milk, 588.6 lbs. fat, Class G
Sire: Rockingham Sailor Prince 17.277, A. R.
Sire of 3 A. R. daughters, 3 more on test.
Dam: Rockingham Holly 324561, A. R.
11162.0 lbs. milk, 524.3 lbs. fat, Class FF.
By Langwater Holliston 28055, and out of Imp. Lady Mistletoe V. of the Glen 163585, A. R., 18887.9 lbs. milk, 906.0 lbs. fat, Class A.
Dam of 2 A. R. daughters.

Royal's daughter



ROCKINGHAM ROYAL LUSTRE 408037
Born March 10, 1932
Started on test in Class G
First full month made 51.5 lbs. fat.
Sire: Rockingham Royal Holliston 112267
Sire of 8 A. R. daughters and 2 A. R. sons
Dam: Imp. Archer of Chene Farm 275552
10602.8 lbs. milk, 479.4 lbs. fat, Class FF
11620.2 lbs. milk, 517.4 lbs. fat, Class A
By Echo of Myrtle Place 4796 P. S.
13 Island A. R. daughters and 1 A. R. son
8 England A. R. daughters
17 American A. R. daughters, and out of Imp. Miss Archer II. of Chene Farm 248920. Island A. R., 11257 lbs. milk, 600.17 lbs. fat, Class E; 11748.8 lbs. milk, 605.2 lbs. fat, Class A. Dam of 2 A. R. daughters, including Imp. Ward Acres Miss Archer 252987, 11482.8 lbs. milk, 543.1 lbs. fat, Class FF.
"Archer" is a granddaughter of Governor III. of Les Grantes R. G. A. S. 4089 P. S.

These females have been consigned to the Hilltop-Rockingham Sale that is to be held October 15, at the Hilltop Farm, Suffield, Connecticut.

ROCKINGHAM and GREYCOURT FARMS

SALEM, NEW HAMPSHIRE — METHUEN, MASSACHUSETTS

Federal Accredited and Negative to Blood Test

C. E. TISDALE, *Manager*

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This Attractive Roadside Stand Has Served as Many as 3600 People in One Day

Counter Service as well as Table Service is Used

Breidablik Dairy Garden

A DAIRY garden might be another name for roadside stand but in this particular instance Breidablik Farm, Wilmington, Delaware, has produced a dairy garden.

Some two years ago, R. S. Case, manager of the Farm wished to increase milk product sales during the summer. He erected a very modest building, seven by twelve feet in size, on the farm that is located four and one-half miles west of Wilmington. The garden was opened the last week in June 1932 and the response was very gratifying. During the season of 1933 equivalent of 58,250 quarts of milk were sold in the form of ice cream, milk, buttermilk and chocolate milk. For the months of May, June and July of this year, Mr. Case reports better than twenty-two per cent increase over 1933.

Attractive Courteous Help Is Most Important

On a Sunday they have served from three thousand to four thousand people and warm nights it is not unusual to see one hundred cars parked near the Garden. Seven girls are employed to handle the service. There is no curb service and nearly two-thirds of it is direct over the counter, while the balance is at the tables.

The place, as will be seen from the pictures, is extremely attractive. The success of the garden is attributed by Mr. Case to the making of a good product for sale, an attractive place, a well known farm, good location and above all, attractive, courteous help.

How Many Cents Out of Each Feed Dollar Reappears in the Milk Pail?

Efficiency Of Feed Utilization In Dairy Cattle

By W. T. Smith
and V. A. Rice

"THE most invariable thing in nature is variation." Some horses can travel a mile in two minutes, some in 2:40; some cows can produce 20,000 pounds of milk in a year, others only 5,000; some sheep yield a wool clip of nine pounds, others five pounds, and so on through all the multitudinous traits that we find in our livestock. For many years differences have been observed in the gains of different classes of fat stock on a given amount of feed, or conversely, differences in the amount of feed required to yield a given increase in body weight.

Since dairy cows yield varying amounts of milk, differing in butter fat percentage and other characteristics, it seems logical to suppose that they may also vary in the efficiency with which they convert feed nutrients into milk. No doubt every dairy farmer is interested in how many miles he gets per gallon of gasoline. He knows he saves money if he gets fifteen miles per gallon rather than ten since in the latter case he must buy fifty per cent more gas. By the same token he should be interested in the efficiency of the animal units in his barn. It is obvious that he will make more money if his herd is thirty-five per cent efficient in converting feed into milk rather than only twenty-five per cent since if his cows are of the latter sort he will have to feed considerably more feed in order to secure an equivalent amount of milk.

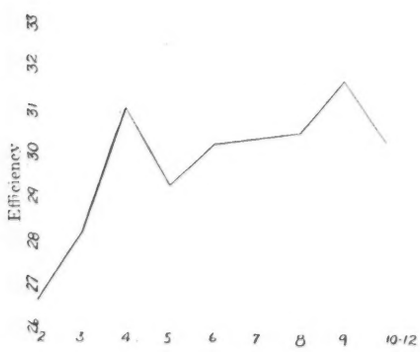


Figure I.
Efficiency by Age

Forbes and Voris (1) have reported a study of nine cows in which they found an average efficiency of 20.96 per cent (range from 18.04 per cent to 23.3 per cent). This percentage is based upon gross energy of the feed and of the milk produced. The present work is based not upon gross energy but upon total digestible nutrients in feed and milk and would, therefore, be expected to show a higher percentage efficiency which it does.

These sources of material were used. First, a preliminary study was conducted with six Advanced Registry class A test cows at the Massachusetts State College farm. These cows were all Holsteins but varied from two to ten years of age and from nearly fresh to eleven months along in lactation. An accurate record was kept of all feed consumed and all milk produced for a week. For purposes of computation and comparison the milk of each cow was reduced to a four per cent fat corrected basis (four per cent F. C. M.), that is the milk was corrected to four per cent according to its energy value by means of the formula, .4M+15F where M equals milk and F equals fat. (2)

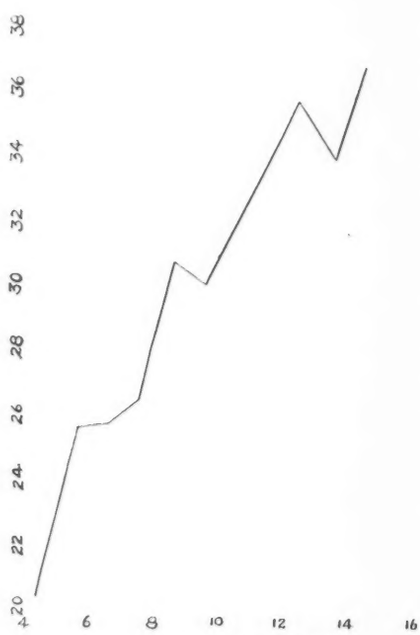


Figure II.
Efficiency vs. Production

The milk was converted to total digestible nutrients by multiplying by the factor .181. (Each pound of four per cent milk was found to contain .181 pounds of total digestible nutrients by applying Henry and Morrison's formula, digestible crude protein plus digestible carbohydrates plus 2.25 X digestible fat. #. (3) The feed was then converted to its total digestible nutrients value and the milk in terms of total digestible nutrients (output) was divided by the feed in terms of total digestible nutrients (input) to determine efficiency. The average efficiency for this group was 32.22 per cent with a variation from a low of 28.40 per cent to a high of 37.85 per cent.

In order to supplement this work a study was made of certain Guernsey Advanced Register records of milk and feed published in Volumes eighteen through twenty-one of the Guernsey Advanced Register. By the method described above, twenty-five lactations were studied and an average efficiency of 31.20 per cent was found.

The major portion of our study was devoted to research in records kept since 1920 on the mixed Holstein and Jersey herd of the Massachusetts Agricultural Experiment Station. These records are very accurate and were kept in great de-

TABLE II.

Cow	Age	Eff.	Age	Eff.	Age	Eff.	Age	Eff.	Age	Eff.	Age	Eff.	Life Eff.
12	2	24.1%	3	27%	4½	25.8%	5½	30%	6½	31%	8	30%	28%
33	2	31%	3	30.9%	4½	32%	5½	33.8%	6½	33.4%	7½	31%	32%
71	2	27%	3	25.6%	4½	23%	5½	23%	6½	26%	7½	26%	25.7%
139	2	22.5%	3	25.6%	4½	28%							25.5%

TABLE III.

Daughter-Dam Comparisons

Sire	Daughters' Ave. Eff.	Dams' Ave. Eff.	
(H) Mt. Hermon Sir Col. Rupert (22)*	27.63	28.04	− .41
(H) Mt. Hermon Sir Col. Witkop (16)	29.84	31.62	−1.78
(H) Woodcrest Gordon Fayne (10)	28.61	27.93	+ .68
(H) Col. Piet. Corn. Lad (8)	25.65	29.71	−3.52
(J) Victor's Gamboge Knight (10)	31.66	30.73	+ .93
(J) Oakland Cowslip's Prince (4)	31.69	27.52	+4.17
(J) Cowslip's Jap. (3)	27.22	32.43	−5.21
All daughters average	28.90	All Dams ave. 29.93	

*Indicates number of lactations of daughters

TABLE IV.

Thirty-Five Efficient Herd

142,000 pounds of T. D. N. are required to feed thirty cows that average thirty pounds of four per cent milk for 305 days. Thirty-five per cent of this feed or input is returned in the milk pail and is equivalent to 274.500 pounds of milk.

The feed is divided as follows:

½ or 71,000 lbs. of T. D. N. from hay equivalent to 71 tons of hay at $15	$1,065
1-3 or 47,666 lbs. of T. D. N. from grain equivalent to 31 tons of grain at $30	$930
1-9 or 15,777 lbs. of T. D. N. from silage equivalent to 45 tons of silage at $6	$270
⅛ or 7,557 lbs. of T. D. N. from wet beet pulp and green roughage equivalent to 34 tons at $5	$170
Total feed cost	$2,435

Twenty-Five Per Cent Efficient Herd

The twenty-five per cent efficient herd was fed the same amount of feed (142,000 pounds of T. D. N.) divided in the same manner and costing the same amount, but they returned only twenty-five per cent of their feed in the form of milk. Twenty-five per cent of 142,000 lbs. of T. D. N. is equivalent to 196,132 pounds of four per cent milk or an average of 21.4 pounds of milk per cow per day for 305 days. Thus we have a lesser amount of milk for the same feed cost.

The corresponding feed costs are as follows:

	35% Efficient Herd	25% Efficient Herd
Feed cost per pound	$0.0088	$0.0124
Feed cost per quart	$0.01907	$0.02669
Feed cost per one hundred lbs.	$0.88	$1.24

tail. A total of forty-two cows with 136 lactations of more than 200 days duration comprised the study. From a genetic standpoint there were 101 daughter-dam comparative lactations; one four generation series, two three generation series, and 101 two generation series.

The procedure was similar to that in the preliminary study. All milk records were first converted to four per cent F. C. M. Then, if the cow had carried a calf for more than 200 days, a correction was made for pregnancy. (4) Finally the records were converted to a 305 day farrow basis by the use of other tables in the same publication. Thus corrected the milk was then converted to total digestible nutrients by multiplying by .181. The figure obtained represented the cow's output expressed in terms of total digestible nutrients.

In order to find the input the various ingredients in the cow's feed were tabulated separately and their total amount of total digestible nutrients calculated. This total digestible nutrients or input was corrected to 305 days by means of proportion. Here a slight error was incurred as certain ingredients were not fed throughout the entire lactation or were not fed in the same proportion at the end as at the beginning of the lactation, and, too, the cows are naturally less efficient in milk production during the latter part of the lactation period. As a check, another set of computations was made on the basis of the actual lactation period. The milk record was corrected to four per cent F. C. M. and for pregnancy, but was not converted to 305 days. Likewise the feed record was taken for the actual lactation period. It is interesting to note that these two efficiency figures (305 day and actual lactation period) never varied more than two per cent and were slightly higher for the lactations which were of less than 305 days duration and lower than the corresponding 305 day efficiency in those lactation periods which ran for more than 305 days.

The entire lot of forty-two cows with 136 lactations made an average efficiency of 29.35 per cent on a 306 day farrow basis and 29.1 per cent on a straight lactation basis. Table I. shows the animals grouped by ages.

TABLE I.

Efficiency by Ages

2 yr. olds	21 lactations	26.70%
3 " "	22 "	28.20%
4 " "	18 "	31.06%
5 " "	14 "	29.30%
6 " "	15 "	30.23%
7 " "	10 "	30.34%
8 " "	8 "	30.50%
9 " "	10 "	31.71%
10-12 yr. olds	12 "	30.26%

The general trend is upward from two to nine years followed by a slight recession from that point. The high figure for the four year old group is due to several abnormally high individuals. Since part of the feed which younger animals eat goes into growth, lower efficiencies are to be expected with these younger groups. This material is shown graphically by whole year intervals in Figure I.

Figure II. shows the curve of efficiency plotted against the quantity of four per cent F. C. Milk. It is very evident from this figure that the efficiency of these cows was quite definitely influenced by the amount of milk they produced. This is another strong argument

(Please turn to page 225)

Forward Thoughts In Dairy Science

The Effect of an Alfalfa Hay Ration on the Composition of the Milk Fat

G. A. RICHARDSON, *University of California*

THE butter manufactured in certain districts in winter months fails to spread smoothly and when cut at ice box temperatures leaves jagged edges, or chipped surfaces. In these districts many of the cows are maintained on a diet restricted to alfalfa hay.

Two experiments were made to determine the chemical changes induced in the milk fat when cows are changed from normal herd ration to one where alfalfa hay constitutes the entire diet. The first experiment was with cows from the beginning of their fifth to the beginning of their ninth periods of lactation. In the other, cows in the late period of lactation were employed.

The major changes in the chemistry of the fat were found in those fatty acids concerned with the Reichert Meissl and Iodine values. The former were decreased, the latter slightly increased. Only slight differences were noted in the melting point of the fats. Hardness determinations of the fats indicated a condition of brittleness rather than tenacity or plasticity. Feeding corn silage tended to counteract the effect of the alfalfa diet.

Certain inferences are drawn as to the behavior of this type of fat in churning cream.

The Cow's Individuality and the Herd Management as Causes of Differences in Production

MOGENS PLUM, *Iowa State College*

THE butter fat records of 2,472 different cows from herds in Iowa Cow Testing Associations (6.301 lactations) were studied, using the records of the first eight months of all lactations which were at least nine months long. Approximately forty-five per cent of the records were from pure bred cows and fifty-five per cent from grades. All records were converted to a mature equivalent basis.

The correlation between records of different cows in the same herd was found to be about +.32 and the intra-herd correlation between records of the same cow was found to be +.34. The correlation between random records of the same cow in the whole population of records from many herds was found to be +.58. This latter figure is a composite of the two preceding ones and indicates that in a population of data from many herds the record of a cow tends to repeat itself partly because it is made by the same cow and partly because it is made under the same herd environment.

The variation in butter fat production among these Iowa dairy cows is determined partly by permanent differences between the cows within a herd, partly by environmental differences such as health, length of dry period, season of calving, feeding, etc., which vary, from lactation to lactation for the same cow, and partly by permanent differences in the average level of production of the various herds. The random environment, changing from year to year for the same cow, accounts for roughly forty per cent of the variation in production. The permanent differences between cows in the same herd are responsible for about twenty per cent of the total variation found (about thirty-four per cent of the intra-herd variation) and are probably for the greater part hereditary in nature although it is possible for environment permanently to change the productive ability of a cow. Of the remaining forty per cent of the variation about five per cent is due to breed differences and the rest to differences in productive level of the different herds. These herd differences are partly of environmental and partly of hereditary origin.

A better estimate of a cow's pro-

ducing ability can be obtained if it is based both on the absolute size of her records and on the amount by which these records exceed the general level of production of her herd. Of two cows having the same production record, made in two different herds, the one that has made the record in the herd with the lowest average production will usually be the better cow. On the other hand if two cows in different herds exceed their herd level by the same amount, the one with the highest absolute record will be the better one.

Should Milk Yield Be Corrected For Age of Cow, or Size of Cow?

W. L. GAINES
University of Illinois

THE following table corrected from the 1931 Report Illinois Agricultural Experiment Station eliminates some errors of interpolation and adds the breed-adaptation constants. Find in the body of the table the highest number which is not greater that the modified age (years and decimals) of the cow at calving; the appropriate factor is given at the borders of the table. Modify age as follows:

Jersey, add .3 Holstein, no change Brown Swiss, subtract .5
Guernsey, add .2 Ayrshire, subtract .3 Shorthorn, subtract 1.0

		.09	.08	.07	.06	.05	.04	.03	.02	.01	.00		
1.6	:	1.34	1.37	1.39	1.41	1.43	1.45	1.47	1.50	1.52	1.54	:	1.6
1.5	:	1.57	1.59	1.62	1.64	1.67	1.70	1.72	1.75	1.78	1.81	:	1.5
1.4	:	1.84	1.87	1.90	1.93	1.97	2.00	2.03	2.07	2.10	2.14	:	1.4
1.3	:	2.18	2.22	2.26	2.30	2.34	2.38	2.43	2.47	2.52	2.57	:	1.3
1.2	:	2.62	2.68	2.73	2.79	2.84	2.91	2.97	3.04	3.11	3.18	:	1.2
1.1	:	3.25	3.33	3.42	3.49	3.60	3.70	3.80	3.92	4.04	4.17	:	1.1
1.0	:	4.31	4.47	4.64	4.83	5.05	5.30	5.59	5.95	6.44	7.21	:	1.0
1.0	:	13.76	13.47	13.15	12.80	12.39	11.93	11.38	10.70	9.70	7.21	:	1.0
1.1	:	15.77	15.62	15.45	15.29	15.11	14.92	14.72	14.50	14.27	14.03	:	1.1

In this scheme the factors are on a linear scale with variable age intervals, the equivalent of ½ month in 2-year-olds. Age correction is regarded as a temporary expedient, in the belief that a better system based on size of cow may be developed. In the interest of such a development an ENERGY-SIZE INDEX is proposed for consideration.

The INDEX would be based on a thirty-six-week period starting three to eleven days after calving and repeated with each calving. Milk-energy produced in the thirty-six weeks would be estimated in terms of four per cent milk by the formula .4 × milk + 15 × fat. Size of cow would be estimated as live weight at ***start*** of period. The INDEX would be pounds four per cent milk per hundred weight live weight. This INDEX × 7.5 gives calories of milk-energy per kilogram live weight.

Analysis of a large body of records shows the INDEX would be independent of age and do away with age corrections. A uniform thirty-six-week period would automatically eliminate length-of-record and gestation variables. (Fractional lactation records are now under study to ascertain the relative merits of still shorter periods.) If feed and care could be standardized in a suitable way the INDEX would afford a directly comparable and biologically sound measure of the development of the milk secreting function among ***improved*** dairy cows of all breeds.

The Value of Certain Home-Grown Roughages and Concentrates in Maintaining a High Vitamin a Value of Butter Fat

J. H. HILTON, J. W. WILBUR and S. M. HAUGE
Purdue University

THE public is constantly demanding higher quality in dairy products. Therefore, the problem of securing and maintaining the highest possible quality of these products is becoming increasingly important. Vitamin A is one of the important constituents of milk and butter responsible for their nutritive value. It is well-known that the vitamin A value of milk and butter is dependent upon the feeds fed the cow.

Studies at the Purdue Station have had to do largely with the value of certain home-grown roughages and concentrates in maintaining a high vitamin A value of milk and butter.

In work previously reported on this project it was found that alfalfa hay, and soybean hay to a lesser extent, were very effective in maintaining a high vitamin A value of butter. Timothy hay cut after the bloom stage produced butter of low vitamin A value.

Since the soybean hay used in these trials was cured from plants in the medium bean stage it appeared that the beans in the hay might have been interfering with the vitamin A formation in the butter produced by cows fed this hay. There is evidence that soybeans contain certain materials of a toxic nature which may be removed or destroyed by heat.

It, therefore, seemed advisable to determine what effect the beans in the hay and in the grain mixture might have on the vitamin A value of the butter. The tests were made with both soybean hay and alfalfa hay and substituting raw soybeans and roasted soybeans for linseed oil meal in the grain ration during successive feeding periods.

Results of these trials indicate that the soybeans in the hay and when fed in the grain mixture interfere with the vitamin A formation in the butter fat. However, the

material responsible for this interference is apparently not toxic in nature.

Extensive feeding trials are now being completed on the vitamin A value of alfalfa hay and soybean hay cut in different stages of maturity. Samples of each cutting of each hay have been field cured and artificially dried. Biological assays have been made on each sample of hay and on butter fat from cows fed these respective hays.

The Nutritive Value of the Proteins of Alfalfa Hay and Other Feeding Stuffs

K. L. TURK *and* F. B. MORRISON, *Cornell University*

IN certain previous metabolism experiments the proteins of alfalfa hay have apparently had a low nutritive value. In view of these results it seemed worth while to obtain further data on this subject and to compare the nutritive value of alfalfa proteins with those furnished by clover hay and certain other feeding stuffs.

In nitrogen metabolism studies with five growing wether lambs the digestibility, the storage, and the biological values were determined of the proteins of alfalfa hay, of clover hay, and of the proteins in the combination of each hay with corn grain. The rations were standardized at a protein level of approximately ten per cent and were equalized in energy and crude fiber content by the addition of cornstarch, cane sugar, corn oil, and cellulose in the necessary amounts.

Contrary to the results of previous experiments conducted elsewhere in which the unbalanced ration of alfalfa hay alone had been fed, the biological values of the alfalfa proteins were high, averaging seventy-nine. Very little difference was found in the biological values of the proteins in any of the rations tested, the average values for the other rations being eighty-one for clover protein, eighty for the combination of clover and corn grain, and seventy-seven for the combination of alfalfa and corn grain.

In a further experiment with three lambs alfalfa hay was first fed alone with no additional energy supplements. With this unbalanced ration, which was the same as that used in certain previous experiments, the biological value of alfalfa proteins was low, just as it had been in these other experiments, and averaged fifty. When the ration was balanced as before the biological value of the alfalfa proteins averaged seventy-two.

These results indicate the influence which the protein and total digestible nutrient content of the ration have on biological values.

Due to the high biological values obtained for alfalfa hay when properly supplemented with additional non-nitrogenous nutrients, it appears that this feed is probably not deficient in quality of protein for sheep, and probably other ruminants, if fed in balanced rations.

It has been recognized that ruminants may be able to utilize, through the activities of bacteria in the paunch, incomplete proteins or even simpler sources of nitrogen. It seemed that this might explain why there were no differences in the utilization by lambs of the proteins from the four sources.

Therefore, in another experiment soybean oil meal (expeller process), a feed furnishing well-balanced proteins, was compared with corn gluten meal and linseed oil meal, which feeds furnish less complete proteins. The protein intake was adjusted to ten per cent as before. The biological values of the soybean proteins were slightly, but significantly higher than those for either corn gluten meal or linseed oil meal. A greater percentage of nitrogen was also stored from the soybean oil meal ration. The proteins of corn gluten and linseed oil meal were utilized with approximately the same efficiency.

Early-Cut Nitrogen Fertilized Timothy Hay *vs.* Alfalfa Hay For Milk Production*

G. W. SALISBURY *and* F. B. MORRISON, *Cornell University*

SINCE much of the hay fed to dairy cows in the Northeastern States is from timothy or other grasses, the effect of nitrogen fertilization and early cutting on the yield and chemical composition of timothy hay has been studied and this hay has been compared with New York-grown first cutting alfalfa hay for milk production.

In June, 1932, samples were cut in early bloom on fifteen farms from areas fertilized with 250 pounds per acre of calcium cyanamid and from unfertilized checks in the same field. The average yield of hay was increased from 3,009 pounds to 4.072 pounds by the fertilization and the average protein content from 7.99 per cent to 9.38 per cent.

This past summer samples were obtained every three days from one field to determine the change in composition and yield with advancing maturity. The entire field received 200 pounds per acre of 16-20 per cent superphosphate and part received in addition 300 pounds per acre of calcium cyanamid.

The yield of hay at the full bloom stage was 4,222 pounds per acre on the area receiving nitrogen and 1,509 pounds on the check. The protein content of the nitrogen-treated hay was higher than that of the checks at the early stages of development but no higher at the later stages. The yield of aftermath hay from the nitrogen-treated plots was 920 pounds compared to 499 pounds on the check.

Two feeding experiments, of six-

teen weeks and twenty weeks duration, respectively, have been conducted with dairy cows to compare the value of this nitrogen-fertilized timothy hay, cut in early to full bloom, with that of good New York-grown alfalfa hay. Each winter timothy hay, corn silage, and a suitable concentrate mixture was fed continuously to one lot of cows (nine the first year and ten the second), and another lot was fed a ration of alfalfa hay, corn silage, and a concentrate mixture lower in protein (so as to provide the same amount of protein in each ration). Bone meal and ground limestone were added to each ration.

There has been no significant difference in the production of milk or fat on the two rations, in the maintenance of body weight, or in the percentage of hay refused. Throughout both trials the early-cut timothy hay has apparently been just as palatable as the alfalfa hay. These results indicate that such early-cut timothy hay is a satisfactory roughage for dairy cows during the winter feeding period when fed with corn silage and in a properly balanced ration. It is obvious that where alfalfa or clover can be grown satisfactorily, and economically, dairymen should grow these legumes for dairy cattle, instead of grass hay, on account of their higher yield, their higher protein content, and their effect in soil improvement.

*This investigation was supported in part by a grant from the American Cyanamid Company.

Carotene and Vitamin A in the Nutrition of Dairy Calves

H. T. Converse And Edward B. Meigs

Bureau of Dairy Industry

It has been known for some time that animals cannot survive without vitamin A, and that the A content of milk varies with the feed of the milking animal. It has not been generally recognized that these two facts play an important role in actual calf feeding. We have shown at Beltsville that cows fed low color (low vitamin A) hay may have blind or dead calves. We are now showing that the quantity of the hay fed determines the nutritive value of the milk and the chances of survival of the calves fed on it.

Thirty-two calves have been fed on milks from cows on different kinds and qualities of hay and upon pasture. The calves were fed a good grain mixture and late cut timothy hay known to be low in vitamin A so that most of that vitamin would come from the milk. If fed skim milk the change from whole milk was completed at thirty days. Seven calves fed skim from cows fed on low color timothy hay died at the average age of sixty-five days and usually stopped growing soon after skim milk was started. Two calves on skim milk from cows on No. 1 or green color alfalfa hay survived to six months but did not make normal growth and four died at from fifty-five to 168 days. The results with calves on skim from cows on other hays were intermediate. Four calves survived to six months on skim from cows on pasture but did not make normal growth. Calves getting all whole milk did not make normal growth unless the milk came from cows on pasture. This shows that young calves should get good green hay.

Nine calves have survived and made nearly normal growth on similar rations even when using the poorest skim milk when twenty cc. of cod liver oil or fifteen mg. of carotene are given as a supplement. Most of these calves were changed to all skim by the fourth day to show that the need of whole milk is largely as a source of vitamin A. Results would indicate that this dosage may be a little low during the milk feeding periods but about adequate for growth after that.

A Study of Bull Indexes

E. S. Savage and Margarete Altman

Cornell University

The reliability of bull indexes based on the pedigree was studied for 160 bulls of the Guernsey, Holstein-Friesian, and Jersey breeds.

The pedigree indexes used were:

1. The Lush index based on the weighted average production of the parents and grandparents.
2. The "parental" index based on the average record of the daughters of the sire and the records of the dam.

A comparison was made between these indexes and the actual performance of the bulls. The average of these indexes (Lush and "parental") with the records of the cows to which the bull was bred was calculated and called the Lush or "parental" expectation. The material was taken from the Advanced Register and Register of Merit. Only bulls with sufficient information about ancestors and daughters' production were selected. The conversion factors of the different breed associations were used.

A significant positive correlation between both pedigree expectations (Lush and "parental") and the actual observed performance of the bulls was found.

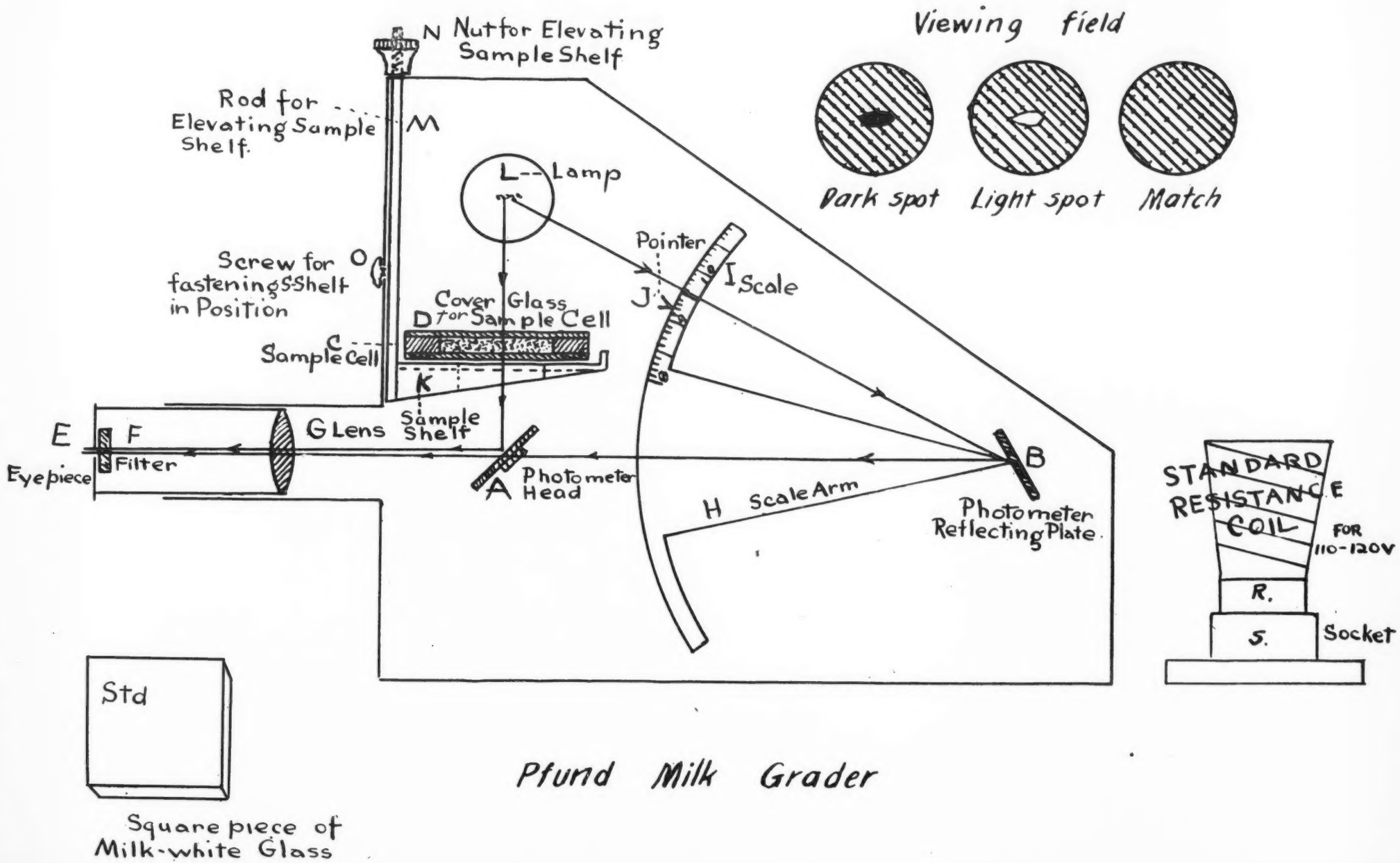
The pedigree index based on the parental generation only presented about the same reliability in results as the more complicated Lush index.

Data were presented to show that no improvement was obtained by including the records of the daughters of the dam in calculating the parental index.

The results of the study indicate that both pedigree indexes are an efficient aid in selecting or even planning a bull calf.

The simple parental index obtained from the average of the sire's daughters and the dam's own production is most convenient and practical.

(Please turn to page 227)



Pfund Milk Grader

How To Use A Pfund Color Milk Grader

EACH grader is adjusted and calibrated against the Standard Instrument so that readings obtained from it should be comparable with readings obtained from other instruments of the same make. It is carefully packed and unless it receives extremely rough handling should arrive in adjustment. The instrument is designed to be used with either direct or alternating current. The resistance coil will permit use of the instrument on a current with voltage from 110 to 120. For any other voltage a special resistance must be inserted in place of the standard resistance. The adjustment on this instrument should be checked from time to time especially after a new lamp has been inserted.

Principle Involved

TWO beams of light starting from L and traveling respectively along the courses L, B, E, and L, A, E are brought into juxtaposition by means of the Photometer head A and are viewed through the eye piece E. In the path of the beam L, A, a sample of measured thickness is placed. The intensity of the beam L, B, E, is varied by rotating the Photometer reflecting plate B. Both beams pass through the filter F which transmits only the blue end of the spectrum. When the field appears uniform both beams entering the eye are of equal intensity and a color rating of the milk is read directly from the scale I.

Procedure

1. Screw the resistance coil R into the socket and attach the cord to a convenient light socket. The light should then burn at the proper brightness.

2. Remove both the standard milk glass and sample cell C from the sample shelf K and move the eye piece E until the lamp filament is in sharp focus. The image of the filament should be approximately in the center of the Photometer head A. If this is not the case loosen the screws holding A and make the necessary adjustment (This adjustment should seldom be necessary).

3. Place the milk glass standard on shelf K, set the scale to read 6.0 and adjust the eye piece until the dark spot in the field is in sharp outline (this adjustment may be different for each observer).

4. Rotate plate B by turning arm H until the center spot reaches its maximum brightness. At the point of maximum brightness the scale reading should be zero. If this is not the case loosen the set screws holding arm H to its shaft and make the necessary adjustments and clamp the arm H in position (this adjustment should seldom be necessary).

5. Set the scale to read the same as the figure scratched on the standard milk glass. Loosen set screw O and raise or lower K (by turning nut N) until the spot in the center of the field completely disappears. At this point again tighten the set screw O. Check this setting of shelf K by first rotating B until the spot is definitely lighter or darker than the surrounding field, and rotating it again until the spot disappears. Your scale reading at this point should then be the same as the figure scratched on the milk glass standard. If this is not the case make the necessary slight adjustments by again raising or lowering the shelf K. (Extreme care should be taken with this adjustment. For accurate settings one should alternately approach the disappearing point from a dark spot to disappearance, and a light spot to disappearance. The average of four readings, two approaching from a dark spot and two approaching from a light spot should be taken.)

When conditions 1, 2, 3, 4, and 5 have been met your instrument is in balance with the standard instrument, and all readings obtained should be comparable with

(Please turn to page 233)

The Pfund Milk Color Grader is available in a case with extra glasses and bulbs at $60.

Orders should be sent to
The American Guernsey Cattle Club
Peterboro, New Hampshire

Editorial Comment....

Bang's Disease Agreement

Because of the importance of Bang's Disease, and the fact that the Government is willing to pay an indemnity, we are calling to the attention of our readers the agreement that is being signed between the breeder and the Secretary of Agriculture.

This agreement is not given in full but the three main sections are presented herewith:

1. The owner agrees: (a) to cause to be marketed for slaughter under State or Federal supervision, within a reasonable time, all heifers over six months of age, cows and bulls in his herd on said farm which are designated by agents of the Secretary as reacting to the agglutination test for Bang's Disease on the first or on the second test, if such second test is made, hereunder. (b) To, as far as practicable, confine additions to his herd to virgin animals and to those from herds known to be free from Bang's Disease. Animals from other than Bang's Disease free herds are to pass the agglutination test (after being kept at least two months in quarantine) before being added to the owner's herd and in no event are pregnant animals to be added to the herd. Should pregnant animals become available for addition to the herd, they are to be kept in quarantine for at least two months after calving, at which time they must pass the agglutination test before being added to the owner's herd. (c) That after the owner's herd has been tested by the agglutination test hereunder, and the reactors thereto marketed for slaughter, the owner will continue blood testing the animals in his herd in accordance with the accredited Bang's disease herd plan of his State, if and when his State adopts such a plan, and that the owner's efforts in this direction will be continued until his herd is eligible for accreditation. (d) That the owner will at his own expense after each test hereunder and the removal of reactors, clean and disinfect his premises under the supervision and direction of an authorized representative of the Bureau of Animal Industry of the United States Department of Agriculture, herein referred to as the Bureau. (e) That he will abide by and conform to all regulations, administrative rulings and orders of the Bureau heretofore and hereafter issued by the Secretary, or his authorized agent or agencies, relating to this contract, which regulations, administrative rulings and orders are and shall be a part of this contract. (f) That he will not sell or assign in whole or in part this agreement, or his right to or claim for payment under this agreement, and will not execute any power of attorney to collect said payment or to order that any such payment be made. Any such sale, assignment, order, or power of attorney shall be null and void. (g) To accept an appraisal of reactors made in accordance with Order No. 347 of the Bureau.

2. The owner represents: That no abortion vaccine, abortion bacterin nor preparation made from or through the agency of Brucella micro-organisms has been used in any of the animals to be tested hereunder within six months prior to the date hereof.

3. The Secretary agrees: (a) That the owner's herd shall be tested for Bang's Disease under the direction of the Bureau without expense to the owner except for necessary handling of the animals incident to collecting blood samples. (b) To pay to the owner, upon such proof of compliance with the terms hereof as the Chief of the Bureau may require, an amount for each animal except unregistered bulls marketed in accordance with this agreement, equal to the appraisal less the net proceeds of marketing the animal and less any other moneys received because of the elimination of the animal but in no event to exceed $20.00 for a grade animal and $50.00 for a registered pure bred animal.

SALES AND MEETINGS

Sept. 14. New Hampshire State Breeders' Association Picnic, Longwood Farm, Center Harbor, New Hampshire.

Sept. 26. Thornwood Farm Dispersal, Ada, Michigan. H. W. Wigman, Lansing, Michigan, sale manager.

Oct. 3. Franchester-Elgercon Sale, Wooster, Ohio. Sale managed by the Ohio Guernsey Breeders Association, Wooster, Ohio.

Oct. 8. Dispersal Sale of Foxburg Farms Herd, Foxburg, Pennsylvania.

Oct. 9. Third Annual Illinois-Indiana State Sale, State Fair Grounds, Indianapolis. Management, Indiana Guernsey Breeders Association, 223 Life Building, Douglaston, Indiana.

Oct. 11. Breeders Consignment Sale, Salisbury, North Carolina. T. D. Brown, Salisbury, sale manager.

Oct. 15. Hilltop, Argilla, Coronation, Douglaston, Rockingham Sale, Suffield, Connecticut.

Oct. 17. Trenton Consignment Sale, Trenton, New Jersey.

Oct. 24. Wisconsin State Sale, Waukesha, Wisconsin.

FAIRS AND EXPOSITIONS

Aug. 27-Sept. 1. Ohio State Fair, Columbus, Ohio. Professor W. W. Yapp, Urbana, Illinois, will judge Guernseys on August 29.

Aug. 31-Sept. 9. Michigan State Fair, Detroit, Michigan.

Sept. 1-7. Indiana State Fair, Indianapolis, Indiana. Guernseys will be judged on September 5 by Louis Seitz, Waukesha, Wisconsin.

Sept. 1-8. Minnesota State Fair, St. Paul, Minnesota. Joseph Simmons, Independence, Kansas, will judge Guernseys.

Sept. 1-8. New York State Fair, Syracuse, New York.

Sept. 1-10. California State Fair, Sacramento, California. Guernseys will be judged by Hugh G. Van Pelt, Waterloo, Iowa, on September 5.

Sept. 2-7. Nebraska State Fair, Lincoln, Nebraska. Guernseys will be judged on September 4 by Mort Woods, Ardmore, Oklahoma.

Sept. 3-8. Mid-South Fair, Memphis, Tennessee. Guernseys will be judged on September 4.

Sept. 3-8. Maryland State Fair, Baltimore, Maryland. Guernseys will be judged on September 5 by Professor H. H. Kildee, Ames, Iowa.

Sept. 3-8. Rutland Fair, Rutland, Vermont. Guernseys will be judged by M. H. Campbell on September 4 or 5.

Sept. 3-8. Staunton Virginia Fair, Staunton, Virginia.

Sept. 3-9. Rochester Exposition, Rochester, New York. Professor W. T. Crandall, Ithaca, New York, will judge Guernseys on September 4.

Sept. 3-9. Oregon State Fair, Salem, Oregon.

Sept. 5-8. Topsfield Fair, Topsfield, Massachusetts.

Sept. 9-15. Brockton Fair, Brockton, Massachusetts.

Sept. 9-15. Saginaw Fair, Saginaw, Michigan.

Sept. 10-14. South Dakota State Fair, Huron, South Dakota. E. N. Hansen, Ames, Iowa, will judge Guernseys on September 10.

Sept. 10-15. Kansas Free Fair, Topeka, Kansas. Guernseys will be judged by L. S. Gillette on September 12.

Sept. 10-15. Kentucky State Fair, Louisville, Kentucky.

Sept. 12. New Jersey Guernsey Breeders Association Guernsey Cattle Show at Far Hills Fair Grounds, Far Hills, New Jersey. James B. Robertson, Paoli, Pennsylvania, will judge.

Sept. 15-21. Kansas State Fair, Hutchinson, Kansas. Guernseys will be judged on September 18 by Professor H. W. Cave, Manhattan, Kansas.

Sept. 15-22. Tulsa State Fair, Tulsa, Oklahoma. Guernseys will be judged on September 19 at one p. m. by Professor C. H. Staples, Baton Rouge, Louisiana.

Sept. 16-22. Eastern States Exposition, Springfield, Massachusetts. Guernseys will be judged by E. G. Woodward, Taconic, Connecticut, on September 19 and 20.

Sept. 17-22. Tennessee State Fair, Nashville, Tennessee.

Sept. 17-23. Western Washington Fair, Puyallup, Washington. Professor E. V. Ellington, Washington State College, will judge Guernseys on September 19.

Sept. 18-22. The Great Allentown Fair, Allentown, Pennsylvania. Guernseys will be judged on September 18 and 19.

Sept. 22-29. Oklahoma State Fair and Exposition, Oklahoma City, Oklahoma. Guernseys will be judged on September 24.

Sept. 25-29. Trenton Fair, Trenton, New Jersey. Guernseys will be judged on Wednesday, September 26, by Hector Lamont, Bernardsville, New Jersey.

Sept. 28. Fourth Annual Piedmont Virginia Dairy Festival, Manassas, Virginia.

Sept. 29. Bryn Mawr Guernsey Show, Bryn Mawr, Pennsylvania.

Sept. 29-Oct. 6. Free Oklahoma State Fair, Muskogee, Oklahoma. Guernseys will be judged on October 3.

Oct. 1-6. Danbury Fair, Danbury, Connecticut.

Oct. 1-6. Virginia State Fair, Richmond, Virginia.

Oct. 1-7. Southeastern Fair, Atlanta, Georgia.

Oct. 1-7. Dairy Cattle Congress, Waterloo, Iowa. Professor H. H. Kildee, Ames, Iowa, will judge Guernseys on October 3 and 4.

Oct. 2-6. Mississippi-Alabama Fair and Dairy Show, Tupelo, Mississippi.

Oct. 6-13. Pacific International Livestock Exposition, Inc., Portland, Oregon. Professor H. M. King, Vancouver, British Columbia, will judge Guernseys on October 9 and 10.

Oct. 6-21. State Fair of Texas, Dallas, Texas. W. L. Stangel, Lubbock, Texas, will judge Guernseys on October 15.

Oct. 7-14. South Louisiana State Fair, Donaldson, Louisiana.

Oct. 8-13. North Carolina State Fair, Raleigh, North Carolina. Guernseys will be judged on October 10.

Oct. 8-13. Mississippi State Fair, Jackson, Mississippi.

Oct. 15-20. West Texas Fair, Abilene, Texas.

Oct. 20-27. American Royal Live Stock Show, Kansas City, Missouri.

Oct. 20-28. Louisiana State Fair, Shreveport, Louisiana.

Oct. 22-27. South Carolina State Fair, Columbia, South Carolina.

Oct. 25-Nov. 4. South Texas Fair, Beaumont, Texas.

Oct. 28-Nov. 3. Ak-Sar-Ben Stock Show, Omaha, Nebraska.

CANADIAN FAIRS

Aug. 24-Sept. 8. Canadian National Exhibition, Toronto, Canada. Professor G. E. Raithby, Guelph, Ontario, will judge Guernseys.

Aug. 29-Sept. 5. Canadian Pacific Exhibition, Vancouver, British Columbia. Guernseys will be judged on August 31 by Ian Hepburn, Chilliwack, British Columbia.

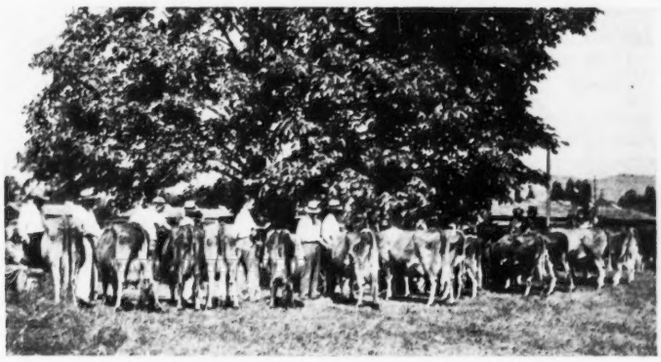
16 Breeders Awarded Producers Certificates. Valley Gem Farms Lead The List.

Northwest Washington Field Day

By George N. Angell

FOURTEEN Guernsey cows were standing in a hospitable farm door yard at Valley Gem Farms where twelve or fifteen years ago fir stumps contested for foot room. Each of these cows have official production of at least 600 pounds of butter fat in a year, all of them average 675 pounds and many of them are show ring winners.

Guernsey enthusiasts from ten different Washington counties and Canadian provinces were present to pay their respects to the cows and the men who tested them, and to thirty-six other Guernseys of equally high production that have been developed in Northwest Washington.



Group of 600 pound cows shown at field day, Valley Gem Farms

Such is the picture of the annual Northwest Washington Guernsey field day at Valley Gem Farms near Arlington, July 17, and the picture presents in epitome the development of the district in a few short years from a frontier wilderness into one of the richest farming districts in America and the foremost Guernsey breeding center, for nowhere else in the country or, for that matter, in the world have so many world records been made within so short a time as in the three counties of Whatcom, Skagit and Snohomish of the Northwest Washington Guernsey Federation. Nor has any other similar area, it is believed, turned out fifty 600 pound Guernseys. It was to advertise this belief that the Federation, of which D. W. Barclay is president and J. E. Wrage is secretary, launched at this annual field day the custom of awarding to owners of such producers certificates of membership in the 600 pound class of Northwest Washington Guernseys, and honored at the inaugural were sixteen breeders who developed the fifty cows. Leading the list was Valley Gem Farms, host for the day, which developed twelve of the fifty and had eight of them on display; but the Snohomish county establishment is pressed by Dr. A. Macrae Smith of Whatcom County, who has developed eleven. In Skagit the making of big records is more of a community matter, for there six breeders have developed thirteen head; V. L. Miller one, Freidrichs Brothers, Gile and Schroeder and E. H. Knutzen two each, D. W. Barclay three and Oliver Gear five. Other Whatcom breeders in the 600 pound club are R. A. Tillman one, H. B. Douglas three and J. O. Anderson three; other Snohomish, C. E. Entsminger, Fred J. Jenner, Cal Patty, John F. Patty and H. J. Weiser, one each.

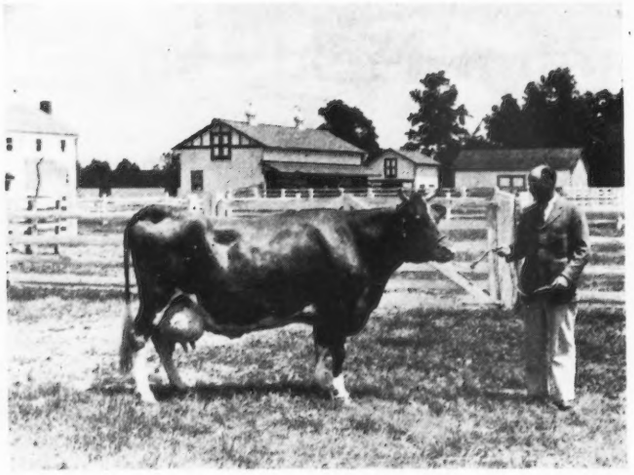
Fourteen of the fifty animals on exhibition for the day were placed by Otto J. Hill, extension dairyman, with Autocrat's Masher Maid 316061, the grand champion female of the 1933 Pacific International at the head of the class. In the group were the fourteen year old dam of a world record heifer, the former holder of two world records in succession, the present holder of two in different classes, and the highest Guernsey producer west of the Mississippi; and in the list of fifty are seven class leaders and four former leaders.

Other features of the field day were inspection of the Valley Gem herd, which is one of the oldest and most productive in Washington, cattle judging by 4-H club and Future Farmer experts, a milking contest for women, which was won by Mrs. A. B. Rowlins, and a short program in charge of C. W. Robinson, western representative of The American Guernsey Cattle Club, who presented Dr. Robert Prior of Olympia, Dr. R. E. Hodgson of Puyallup, Dr. Hill and Miss Mabel Flanley, Manager of the Washington Dairy Council. Mr. Robinson also presented to the Snohomish County Club, Carl Schroeder, president, a check for fifteen dollars for winning third place in a recently concluded western district efficiency contest. He announced that Karl B. Musser, Secretary of the national

(Please turn to page 227)

OUR NEW CLASS LEADERS

Hilltop Butterfat Rosette 265850, Re-entry 29754
Third in Class B



HILLTOP Butterfat Rosette 265850 has just completed a class B record of 13325.9 pounds of milk and 775.0 pounds of butter fat, placing her third in the class. This animal is sired by Imp. Primrose's Butterfat 104967, A. R., that has forty Advanced Register daughters and six Advanced Register sons.

"Butterfat Rosette" is out of Roselle of Fox Valley 61739, A. R., that has to her credit three records, namely, 9070.4 pounds of milk, 508.6 pounds of butter fat in class DD; 9744.8 pounds of milk, 574.6 pounds of butter fat in class B, and 13492.6 pounds of milk, 795.9 pounds of butter fat in class A. In addition she has one Advanced Register daughter. "Roselle" was sired by Wedding Bells of Waukesha 16844 that has sired six Advanced Register daughters, and is out of Yeksa Dimple of Fox Valley 35123 that is credited with two Advanced Register daughters.

The paternal grandsire and grandam are Primroses's Billy des Galliennes II. R. G. A. S. 4176 P. S. that has five Advanced Register daughters and one Advanced Register son, and Primrose of Courtil du Ray R. G. A. S. 5082 F. S., with two Advanced Register sons.

Hilltop Butterfat Rosette 265850 was bred by George M. Hendee of Suffield, Connecticut, and is now owned by Thomas Marsalis of Queenstown, Maryland.

Sire: Imp. Primrose's Butterfat 104967, A. R.
Dam: Roselle of Fox Valley 61739, A. R. 8157
Breeder: George M. Hendee, Suffield, Conn.
Owner: Thomas Marsalis, Queenstown, Md.
Born Aug. 14, 1928. Calved May 23, 1933.
Served Jan. 26, 1934.
Requirement for admission 392.5 lbs. fat.
Supervised by Maryland Station.
3 milkings daily.
Retests taken in July, August, September, October and November, 1933.
Retest taken in January and March, 1934.
Special and retest taken in December, 1933.
Delaware check test taken in February, 1934

	Milk Lbs.	Butter Fat %	Butter Fat Lbs.
1933			
June 1	1718.5	4.55	78.19
July	1925.1	4.67	89.90
Aug.	1769.2	4.96	87.75
Sept.	1616.5	5.39	87.13
Oct.	1568.8	5.25	82.36
Nov.	1460.0	5.75	83.95
Dec.	1460.4	6.12	89.38
Jan. '34	1425.4	6.05	86.24
Feb.	1257.0	5.62	70.64
Mar.	1356.4	5.55	75.28
Apr.	1307.9	5.46	71.41
May 31	1345.7	5.10	68.63
Total	18210.9	5.33	970.9

Previous record begun at two years and one hundred sixty-one days of age, Class G, 13325.9 lbs. milk, 775.0 lbs. fat.

Good Production

HARTZELL'S GERTRUDE'S VERAROSE 230986, bred by F. R. Hartzell, Renfrew, Pennsylvania, and owned by M. F. Shore, Cycle, North Carolina, has recently completed a record in class A of 16078.5 pounds of milk and 943.6 pounds of butter fat. She was sired by Fairacres Lancer 120952 and out of Warrior's Primrose of Hartzell 179306.

Lake County Picnic

THE beautiful dairy home of Secretary L. R. Sturm, of the Montana Association, was the scene of the Lake County Guernsey Breeders Picnic on July 3, at Polson, when Fieldman C. W. Robinson visited the county. Mr. Sturm, besides being State Secretary, is local leader of the pure bred Guernsey calf club with nine members. All the calves, their owners and fifty enthusiastic Guernsey breeders were present for a basket dinner supplemented by Guernsey ice cream furnished by the local creamery.

With everyone's appetite for food completely satisfied, the County Agent opened a program on "Guernseys" that everyone present was anxious to absorb. First came the judging of the beautiful pure bred calves. The boys had all prepared halters and blankets for the calves which ranged in age from nine to fourteen months old. The ages of the boys themselves were from ten to fourteen years, so that they were seemingly a choice combination.

After considerable effort, Mr. Robinson began to place the calves according to their merits. County Agent J. C. Paisley instructed the boys in the finer points of showmanship. First place went to John Kelley, with a young calf, but well fitted and shown. He will exhibit at the state fair in August. The calves were photographed and then led to the scales where they averaged 510 pounds at an average age of about eleven months.

Mr. Robinson later placed a class of mature cows, which varied only slightly in their fine qualities. They represented several years of successful breeding by Mr. Sturm, and the sight was equal to a class of mature Guernsey cows at a good county dairy show. J. C. PAISLEY,
County Agent.

Calves shown at Lake County Picnic

ADVANCED REGISTER NOTES

State Champions

MARYLAND

B Hilltop Butterfat Rosette 265850, 18210.9 pounds of milk; 970.9 pounds of butter fat; breeder, George M. Hendee, Suffield, Connecticut; owner, Thomas Marsalis, Queenstown.

NEBRASKA

BB Max's Normarie of U. Neb. 263780, 8337.1 pounds of milk; 481.8 pounds of butter fat; breeder and owner; University of Nebraska, Lincoln.

FF Max's Fame of U. Neb. 313487. 6116.0 pounds of milk; 358.0 pounds of butter fat; breeder and owner; University of Nebraska, Lincoln.

Beechwood Janet 257378, owned by Mrs. Henry R. Rea, Sewickley, Pennsylvania, produced during the month of May 2023.7 pounds of milk and 92.08 pounds of butter fat in class A.

The following is a list of animals having three or more Advanced Register records, the last one of which has become official since the last publication of the Journal:

Bettina of Pennbrook 168395

Lbs. Milk	Lbs. B. Fat	Class
12785.7	692.5	BB
10363.5	543.6	AAA
12322.4	622.5	A

Owner: Mrs. Helena S. Raskob, Centerville, Maryland.

Planet's Donna Peggy 217565

Lbs. Milk	Lbs. B. Fat	Class
10746.2	626.9	D
11915.5	690.6	A
9959.9	551.0	A

Owner: Colorado Agricultural College, Fort Collins, Colorado.

Fritzlyn Ultra Gem 201652

Lbs. Milk	Lbs. B. Fat	Class
11280.6	563.8	FF
10018.3	456.8	AAA
14959.7	715.9	A

Owner: William F. Fretz, Pipersville, Pennsylvania.

Coventry Fanny Comely 234491

Lbs. Milk	Lbs. B. Fat	Class
13951.6	676.0	F

THE FOLLOWING COWS DESERVE HONORABLE MENTION FOR OUTSTANDING RECORDS

Name and Number	Test Ended	Lbs. Milk	Lbs. B. Fat	Class
Coventry Fanny Comely 234491 Owner: R. Lawrence Benson, Princeton, New Jersey.	5-25-34	15898.4	831.1	A
Fannie of White Farms 246835 Owner: L. S. White, Cairo, New York.	5-18-34	16071.4	805.3	A
Hilltop Butterfat Rosette 265850 Owner: Thomas Marsalis, Queenstown, Maryland.	5-31-34	18210.9	970.9	B
Lynbrook Rosita 318132 Owner: T. P. Lindsay, Southboro, Massachusetts.	3-30-34	13500.0	787.3	B
Palotterie of Fairview Home 313113 Owner: S. M. Merrill, Ipswich, Massachusetts.	5-31-34	16764.6	860.3	BB
Beechford's Golden Glow 283490 Owner: Harry Bailey, Mount Tremper, New York.	5-31-34	14768.9	808.4	C
Valor's Geraldine 317306 Owner: Cornell University, Ithaca, New York.	5—4-34	16342.2	702.3	DD
Green Vale Carmen 300333 Owner: Michigan State College, East Lansing, Michigan.	5-18-34	10471.4	488.0	DHI
Michigan Dictator's Jane 301018 Owner: Michigan State College, East Lansing, Michigan.	5-12-34	10010.5	457.6	DHI
Argilla Formosa 303088 Owner: S. M. Merrill, Ipswich, Massachusetts.	5—7-34	15875.8	854.5	E
Waldorf Pilgrim's Patricia 311419 Owner: Oscar F. Kinney, North Chatham, New York.	3-31-34	8568.1	516.7	EEE
Lynbrook Fern 377139 Owner: T. P. Lindsay, Southboro, Massachusetts.	2-28-34	9499.3	607.7	FF
Waldorf Luella 341047 Owner: Oscar F. Kinney, North Chatham, New York.	5—1-34	7889.0	433.4	GGG
Clay Hill Rose 333477 Owner: Andrew J. Johnson, Fruitport, Michigan.	11—3-33	11164.9	548.3	GHI
Primrose Royal Progress 326912 Owner: Andrew J. Johnson, Fruitport, Michigan.	10-24-33	8740.2	516.5	GHI
Royal's Edith of Pomeroy 352329 Owner: M. T. Phillips, Pomeroy, Pennsylvania.	6-14-34	9780.4	450.2	GHI

THE FOLLOWING COWS DESERVE HONORABLE MENTION FOR ONE MONTH'S PRODUCTION

(Credits subject to final verification)

Name and Number	Test Begun	Month	Lbs. Milk	Lbs. B. Fat	Class
Forge Hill Royal Molly 265863 Owner: J. L. Wilkie, New Windsor, New York.	3-27-34	June	1896.6	95.97	A
Gayoso Actor's Patricia 195206 Owner: J. T. Buntin, Horn Lake, Mississippi.	3-22-34	Apr	1877.3	94.99	A
Beechwood Janet 257378 Owner: Mrs. Henry R. Rea, Sewickley, Pennsylvania.	3-18-34	May	2023.7	92.08	A
Imp. Symphony of the Casrouge 358449 Owner: Hugh Barclay, Pulaski, New York.	3-16-34	May	1898.2	91.30	A
Fleurie's Lucia of Elgercon 156935 Owner: Mr. and Mrs. Walter F. Hach, Medina, Ohio.	4-21-34	May	1563.1	93.63	AAA
Imp. King's Primula II. 332675 Owner: Van S. Merle-Smith, Oyster Bay, New York.	4-24-34	June	1933.4	84.10	AAA
Escalon Hulda 351182 Owner: A. B. Humphrey, Escalon, California.	4-24-34	May	1634.7	82.55	AAA

15226.8	764.7	C
15898.4	831.1	A

Owner: R. Lawrence Benson, Princeton, New Jersey.

Palotterie of Fairview Home 313113

Lbs. Milk	Lbs. B. Fat	Class
14681.2	698.4	G
16245.5	812.4	D
16764.6	860.3	BB

Owner: S. M. Merrill, Ipswich, Massachusetts.

NEW ADVANCED REGISTER SIRES

Africander Duke of White Farms 114546. Sire, Langwater Africander 57121, A. R. Dam, Carpatha of White Farms 128531, A. R. 16654. B.: L. S. White, Cairo, N. Y. O.: M. J. Grimes, Catawissa, Pa.

Aster's Royal Prince of Bacon Farm 85833. Sire, Saugerties Royal Prince 59532, A. R. Dam, Aster of Fernbrook 106936, A. R. 13722. B.: Charles D. Cleveland, Eatontown, N. J. O.: Fort Dodge Creamery Company, Fort Dodge, Iowa.

Bonnie Brae Progress 160286. Sire, King's Advocator 126310, A. R. Dam, Cora's Royal Fancy of Bonnie Brae 199426, A. R. 22167. B.: John E. McLoughlin, Clinton, N. Y. O.: E. A. Black and Sons, Howard City, Mich.

Bournedale Monarch 149083. Sire, Lone Pine Illustrator 59189, A. R. Dam, Atamannsit Coronet 190017, A. R. 22908. B.: H. F. Andrus, Millerton, N. Y. O.: A. D. Lasker, Everett, Ill.

Bournedale Rex 159247. Sire, Langwater Collection 102130, A. R. Dam, Saugerties Violet 167946, A. R. 20388. B.: H. F. Andrus, Millerton, N. Y. O.: L. S. White, Cairo, N. Y.

Daylo Ultra Boy 151035. Sire, Langwater Starshoot 83961, A. R. Dam, Abbeyleix Lucy 154506, A. R. 23160. B.: A. J. Fell, Lansdale, Pa. O.: James B. Robertson, Paoli, Pa.

Gayoso Golden Beau 136609. Sire, Florham Golden Boy 86363, A. R. Dam, Gayoso Actor's Beauty 189198, A. R. 21221. B.: Gayoso Farm, Horn Lake, Miss. O.: Chester C. Bolton, South Euclid, Ohio.

Holly's Soldier Boy 121028. Sire, Emblem's Champion 96836. Dam, Moorland Amiable Madeleine 169553, A. R. 17371. B. & O.: George P. McLean, Simsbury, Conn.

Homestead Holliston 117816. Sire, Langwater Holliston 28055, A. R. Dam, Lady Dawn of Rock-

Harvey Farm Betty 290754	4-29-34	May	1280.9	87.10	BBB
Owner: Est. J. M. Harvey, Waukesha, Wisconsin.					
Crescent Ultra Pride 295960	12-10-33	Apr	1390.9	80.95	C
Owner: Est. J. Barlow Cullum, Reading, Pennsylvania.					
Maggie's Snowdrop 291368	2—9-34	May	1983.1	90.23	CCC
Owner: Helena S. Raskob, Centerville, Maryland.		June	1792.5	80.66	
Eminence Admiration 304122	4-24-34	May	1339.9	79.19	CCC
Owner: George McKerrow and Sons Company, Pewaukee, Wisconsin.					
Ivy Hall Buttercup 313564	4—5-34	May	1793.6	70.31	CCC
Owner: Mrs. H. P. Davison, Locust Valley, New York.					
Maribelle of Hoovens Farm 317429	3-15-34	Apr	1453.3	81.38	D
Owner: Est. A. G. Hoovens, Goshen, Indiana.		May	1568.3	81.08	
Florham Golden Rose 316443	3—1-34	May	1632.9	80.91	D
Owner: Ruth V. Twombly, Madison, New Jersey.					
Tianna's La Noce Evaline 321614	4-17-34	May	1522.1	77.32	D
Owner: J. E. Andrus, Jr., Walker, Minnesota.					
Corium Ultjiian Luna 329083	4-21-34	May	1536.9	75.00	D
Owner: F. J. Rueping, Fond du Lac, Wisconsin.					
Imp. Primula's Rosebud 318400	4-26-34	May	1595.6	83.29	DDD
Owner: B. D. Miller, Honesdale, Pennsylvania.		June	1526.5	71.90	
Warrior's Valentine 394759	5—2-34	June	1321.6	73.08	DDD
Owner: Isaac Sprague, Jr., Wellesley Hills, Massachusetts.					
St. James Champion's Levity 320231	5-31-34	June	1381.5	70.46	DDD
Owner: Mrs. Chauncey McCormick, Naperville, Illinois.					
Oaks Farm Fawn 311333	5—3-34	May	1356.9	67.85	DDD
Owner: Albert H. Beck, Wayland, Massachusetts.		June	1405.4	68.58	
La Belle Francille 315732	9-11-33	June	1370.8	75.67	E
Owner: Albert Winter, Mahwah, New Jersey.					
Argilla Forgiveness 314385	10—1-33	May	1165.7	72.16	E
Owner: S. M. Merrill, Ipswich, Massachusetts.					
Thelma of Thousand Springs 334726	2-15-34	May	1573.3	71.90	E
Owner: Minnie W. Miller, Wendell, Idaho.					
D. B. Daisy 342210	11-16-33	June	1476.0	71.59	E
Owner: Willyard Brothers, Ravenna, Ohio.					
Northern Star's Jeannette 324806	4-23-34	May	1541.9	70.46	E
Owner: John A. Miller, Nazareth, Pennsylvania.					
Frankland Priscylla 326440	4—1-34	Apr	1256.3	81.66	EEE
Owner: J. Howard Leman, Hopkinton, Massachusetts.		May	1426.2	77.87	
		June	1065.0	63.90	
Hope's Reddy of Clallam County 341503	4-12-34	May	1816.6	77.39	EEE
Owner: Friedrichs Brothers, Bow, Washington.					
Fair Weather Nanette 337441	4—9-34	May	1103.7	62.69	EEE
Owner: O. H. Cheney, Patterson, New York.					
Foremost Hilldene 342153	3-17-34	May	1338.4	61.43	EEE
Owner: O. H. Cheney, Patterson, New York.					
Green Meadow Sylvia 367109	11-16-33	Jan	1335.9	70.80	F
Owner: Est. Theodore Ellis, Worcester, Massachusetts.		Mar	1295.7	73.21	
		Apr	1165.9	69.84	
		May	1214.1	68.84	
Arizona Farm's Queen 372913	4—8-34	June	1277.5	69.88	F
Owner: University of Arizona, Tucson, Arizona.					
Connie of Thorn Hill 327692	8—1-33	May	1272.1	69.84	F
Owner: August Ziesing, Deerfield, Illinois.					
Valor's Faithful 364627	8—1-33	May	1211.4	67.60	F
Owner: J. C. Penney-Gwinn Corporation, Hopewell Junction, New York.					
Blanch of Nutmeg Farm 339407	11-21-33	May	1182.8	65.41	F
Owner: Frederick M. Peasley, Cheshire, Connecticut.					
Glenburnie Sweet Brier 372176	11-17-33	June	1077.9	59.72	FFF
Owner: James E. Russell, Trenton, New Jersey.					

ingham 121061, A. R. 17126. B.: Daniel G. Tenney, Salem, N. H. O.: John A. Miller, Nazareth, Pa.

Homestead Valiant 152370. Sire, Cramond Vulcan 54458, A. R. Dam, Daylo Yule-tide 126293, A. R. 18897. B.: B. D. Miller, Honesdale, Pa. O.: F. L. Williams, Hope, R. I.

Lynbrook Silver King 124589. Sire, Shorewood Reliance 88137, A. R. Dam, Lynbrook Lucretia 112430. B.: T. P. Lindsay, Southboro, Mass. O.: F. S. Barstow, Wakefield, Mass.

Orchard View Reliance 143441. Sire, Shorewood Reliance 88137, A. R. Dam, Lady Frances Falwick 87011, A. R. 16941. B.: Howard Atwood, Bolton, Mass. O.: T. P. Lindsay, Southboro, Mass.

Peerless of Thousand Springs 130998. Sire, Foremost's Monogram 111353, A. R. Dam: Portia of Thousand Springs 175074, A. R. 21289. B. & O.: Minnie W. Miller, Wendell, Idaho.

Penelope's King Procris 107000. Sire, Procris Ultra King 43522, A. R. Dam, Ultra Penelope 72477. B.: S. M. Shoemaker, Eccleston, Md. O.: Friends Hospital, Frankford, Pa.

Rockingham Starbright 122127. Sire, Rockingham Royal Star 101925. Dam, Rockingham Stella 169729. B.: Daniel G. Tenney, Salem, N. H. O.: L. E. Vaughan, Oronogo, Mo.

Saugerties Ultra Maxim 142881. Sire, Maxim of Linda Vista 42270, A. R. Dam, Saugerties May Flower 89085, A. R. 14234. B.: J. O. Winston, Saugerties, N. Y. O.: Romeo Farms, Inc., Romeo, Mich.

Trixie's King of Firestone Farms 118298. Sire, Trixie's White King 79691, A. R. Dam, White's Lassie Girl 145515, A. R. 18738. B.: Walter C. White, Gates Mills, Ohio. O.: E. B. Morris, Bristol, Pa.

Haven Hill Farm Entertains

HAVEN Hill Farm, owned by Mrs. George Dean of Albion, Michigan, played host to a large group of Michigan breeders again this year. The day started off with a fine potluck dinner that would have put most banquets to shame.

The afternoon meeting was opened by H. W. Wigman, Secretary of the Michigan State Association at Lansing, Michigan. Mr. Wigman brought out that there was more demand at this time for Guernseys and that he felt with so many cattle being destroyed that the outlook for those who kept their better seed stock would be very good in the

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St. James Champion's Ann 348391	4-28-34	May	1451.5	59.51	FFF
Owner: Mrs. Chauncey McCormick, Naperville, Illinois.		June	1306.8	56.72	
Glenburnie Lucinda 372177	5—2-34	June	1145.8	58.66	FFF
Owner: James E. Russell, Trenton, New Jersey.					
Bethany Butterfat's Rose 338592	1—6-34	June	972.5	56.41	FFF
Owner: B. D. Miller, Honesdale, Pennsylvania.					
Shamrock's Queen of Zepol 335987	1—1-34	May	1024.1	56.12	FFF
Owner: Friedrichs Brothers, Bow, Washington.					
Rose King's Velvet 354217	1-11-34	May	1071.4	55.07	FFF
Owner: Est. S. M. Shoemaker, Eccleston, Maryland.					
Silent Brook's Maxim's Lady B. 353653	4—1-34	May	1362.2	55.03	FFF
Owner: Reinhard G. Bartell, Thiensville, Wisconsin.					
Argilla Honora 349329	3—9-34	May	1496.5	71.08	G
Owner: S. M. Merrill, Ipswich, Massachusetts.					
Caumsett Golden Lily 351215	2—1-34	May	1094.7	68.09	G
Owner: The Caumsett Corporation, Huntington, New York.					
Moughon Rosemary 356414	12-11-33	May	1233.9	67.74	G
Owner: P. W. Browning, Riverdale, Maryland.					
Adohr Florence 345943	12-12-33	May	1044.8	66.34	G
Owner: Adohr Stock Farms, Reseda, California.					
Raemelton Sunny Duchess 364759	3-20-34	May	1554.0	65.89	G
Owner: F. B. Black, Mansfield, Ohio.					
Leader's Highcroft Peggy 366670	4—2-34	Apr	1198.1	64.22	G
Owner: F. T. Heffelfinger, Wayzata, Minnesota.		May	1387.7	62.03	
Meadow Brook Peerless Joy 356987	4—3-34	May	1363.7	63.68	G
Owner: John A. Miller, Nazareth, Pennsylvania.					
Donna Flower Girl 374730	3—7-34	June	1512.9	62.63	G
Owner: Richard W. Woolworth, Salem Center, New York.					
Hardwick's Stella 358252	4—6-34	June	1225.7	62.39	G
Owner: Henry W. Leeds, Westville, New Jersey.					
Northshire Donna Primrose 352443	12-28-33	May	1102.2	62.27	G
Owner: Richard W. Woolworth, Salem Center, New York.					
Primrose of Northshire 2d 374732	4-11-34	May	1493.0	56.44	G
		June	1359.2	62.12	
Owner: Richard W. Woolworth, Salem Center, New York.					
Rosedale Elissa 353764	4-16-34	May	1359.2	62.12	G
Owner: Fort Dodge Creamery Company, Fort Dodge, Iowa.					
Tianna's Felicia 354154	1-12-34	June	1093.2	62.09	G
Owner: J. E. Andrus, Jr., Walker, Minnesota.					
Hilltop Annabelle 352965	12-12-33	Jan	983.1	61.64	G
Owner: Est. Theodore Ellis, Worcester, Massachusetts.		Mar	921.0	61.15	
Gayoso Peggy Patricia 387969	7—6-33	May	872.7	61.61	G
Owner: J. T. Buntin, Horn Lake, Mississippi.					
Wolfpen Natoma 345326	12—9-33	May	971.3	61.48	G
Owner: Helen Sears Bradley, Southboro, Massachusetts.					
Langwater Blanche 2d 377458	12-17-33	May	1246.9	61.35	G
Owner: John S. Ames, North Easton, Massachusetts.					
Meredith Cameo 387361	7—6-33	May	1092.2	61.05	G
Owner: Edward Wigglesworth, Topsfield, Massachusetts.					
Rex's Viola 346623	10—5-33	June	1228.2	60.80	G
Owner: L. S. White, Cairo, New York.					
Argilla Treasure 356123	4-11-34	May	1204.3	60.70	G
Owner: S. M. Merrill, Ipswich, Massachusetts.					
Flossie of Hoovens Farm 361024	1—1-34	Apr	1189.1	60.41	G
Owner: Est. A. G. Hoovens, Goshen, Indiana.					
Langwater Damosel 351418	8—6-33	May	1199.2	60.32	G
Owner: Ernest Martin, Goshen, Indiana.					

Good Production

Rockingham Twilight 316681, bred and owned by Daniel G. Tenney, Salem, New Hampshire, has produced 16020.8 pounds of milk and 803.2 pounds of butter fat inclass A. She was sired by Langwater Holliston 28055 and out of Imp. Starlight of the Fontaines 104102.

Convent's A. Fantasy 355966	4-19-34	May	1352.2	65.85	GGG
Owner: Mr. and Mrs. Paul Moore, Convent, New Jersey.		June	1247.9	61.90	
Captivator's Sunbeam 396329	4-20-34	May	1283.3	65.06	GGG
Owner: D. W. Barclay, Mount Vernon, Washington.		June	1034.4	52.44	
Escalon Primrose 404285	3-20-34	June	1251.6	59.45	GGG
Owner: A. B. Humphrey, Escalon, California.					
Toponis Dina 361497	4-28-34	May	1252.1	58.97	GGG
Owner: W. D. Fales, Gooding, Idaho.					
Gluek Farm Coronet 407047	4—1-34	May	1126.6	58.13	GGG
Owner: Gluek Brewing Company, Minneapolis, Minnesota.					

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APPROVED ADVANCED REGISTER RECORDS

From July 15, 1934 to August 15, 1934

Includes A. R. 33470 to A. R. 33539 with re-entries: 20833; 23788; 23873; 24955; 25087; 26205; 26805; 28207; 28290; 28317; 29210; 29219; 29352; 29634; 29718; 29754; 29896; 30487; 30510; 31175; 31220; 31317; 31454; 31459; 31550; 31845; 31848; 31962

CLASS A—Five Years and Over

A. R.		Lbs. Milk	Lbs. Fat	Per Cent Fat	Age Yrs. Mos.	OWNER
R°28207	Coventry Fanny Comely 234491	15898.4	831.1	5.23	5—9	R. Lawrence Benson, Princeton, N. J.
	S. Imp. Sailor Lad V. of the Fontaines 123257 A. R.					D. Langwater Comely 98847 A. R.
°33486	Fannie of White Farms 246835	16071.4	805.3	5.01	5—4	L. S. White, Cairo, N. Y.
	S. Africander Duke of White Farms 114546 A. R.					D. Triple Oaks Fannie 198929
R28290	Wendmere Blossom 237980	16504.2	744.2	4.51	5—8	A. D. Lasker, Lake Forest, Ill.
	S. Cherry's Regent 54953 A. R.					D. Osceola Cherry Blossom 141646 A. R.
33516	Holly Farm Janice 257087	12108.6	741.3	6.12	5—3	Est. George P. McLean, Simsbury, Conn.
	S. Holly's Soldier Boy 121028 A. R.					D. Blue Blood's Lady Burnedette 199906 A. R.
R23873	Fritzlyn Ultra Gem 201652	14959.7	715.9	4.79	7—5	William F. Fretz, Pipersville, Pa.
	S. Frank Rose 26342 A. R.					D. Fritzlyn Ultra Lily 113108 A. R.
33493	Dimple of Mobjack 3d 168003	14626.3	674.2	4.61	9—3	Mrs. L. B. Hollerith and Daughters, Mathews, Va.
	S. Dixie of Glencairne 63036 A. R.					D. Dimple of Mobjack 100834
33492	Beckie of Mobjack 3d 236443	13607.4	672.7	4.94	6—6	Mrs. L. B. Hollerith and Daughters, Mathews, Va.
	S. Dixie of Glencairne 63036 A. R.					D. Beckie of Mobjack 125268
R26205	Illustrator's May Queen 235847	11956.9	651.0	5.44	5—11	Mrs. Chauncey McCormick, Naperville, Ill.
	S. Lone Pine Illustrator 59189 A R.					D. Maxim's May Queen of Dassel 136484 A. R.
R¶29219	May Royal's Elinda 249158	13604.7	646.3	4.75	5—7	J. C. Penney-Gwinn Corporation, Hopewell Junction, N. Y.
	S. Mixter May Royal 65203 A. R.					D. Dairymaid's Windflower of Bethany 76720 A. R.
R25087	Bettina of Pennbrook 168395	12322.4	622.5	5.05	9—1	Mrs. Helena S. Raskob, Centerville, Md.
	S. Nordman of Wasteland 55824 A. R.					D. Boneka's Lina Rose Galaxy 96420 A. R.
R¶26805	Imp. Lubin's Sunbeam 241583	14639.0	613.3	4.19	7—11	E. K. Gaylord, Oklahoma City, Okla.
	S. Imp. Bickleigh Noble III. 135932 A. R.					D. Viola II. of the Lubin R. A. A. S. 2772 P. S.
R23788	Helendale Floresta 158984	10795.7	566.0	5.24	9—6	F. E. Fox, Waukesha, Wis.
	S. Mariondale Cavalier 79050 A. R.					D. Florinta 83699
R24955	Belle Aviator's School Girl 216798	11417.0	561.3	4.92	6—7	F. E. Fox, Waukesha, Wis.
	S. Jewel's Aviator of Arlymear 110228					D. Belle of Glanville Farms 90957 A. R.
33475	Highland Place Nymph 261805	12283.6	556.9	4.53	5—0	Joseph Golinvaux, Waterloo, Iowa.
	S. Golden Sunbeam of the Prairie 83162 A. R.					D. Jasmine of Highland Place 208608
R28317	Planet's Donna Peggy 217565	9959.9	551.0	5.53	6—7	Colorado Agricultural College, Fort Collins, Colo.
	S. Planet's Tribune 101488 A. R.					D. Evergreen Peggy 107740 A. R.
33471	Highland Farms Neptune's Winner 242831	11615.6	538.9	4.64	7—1	John A. Miller, Nazareth, Pa.
	S. Albamont Neptune 87421 A. R.					D. Highland Farms Peerless Daughter 195783 A. R.
33533	Cayuga of Radisson 261403	9762.8	533.6	5.47	6—7	Simon Kruse, Anoka, Minn.
	S. Sunnybrook Royalist 62614 A. R.					D. Cayuga Rose of Jean Du Luth 110396 A. R.
¶33495	Cowslip of Ware 296076	9953.0	499.6	5.02	5—7	J. C. Penney-Gwinn Corporation, Hopewell Junction, N. Y.
	S. Promise of Gold of Ware 87479 A. R.					D. Masher's May of Glenburnie 58803 A. R.
R†31550	Daisy of Silver Maple Farm 242800	11686.6	470.8	4.03	5—5	W. D. Fales, Gooding, Idaho.
	S. Prince Otto of Silver Maple Farm 108784					D. Martha of Silver Maple Farm 193359
33479	Docile's Adell of Oronoko 241391	8482.3	461.1	5.44	5—9	J. C. Hollenbeck, Berrien Springs, Mich.
	S. Lone Pine Royal Victor 96707 A. R.					D. Imp. Docile of Sarnia 58774
†33507	Kenwood's Patsy 248760	8957.5	430.9	4.81	5—0	Charles J. Wilcox, Shelburne, Vt.
	S. Phillips Eros 117887					D. Kenwood's Mollie 199850
R†31962	Dorothy of Green Lodge 2d 248351	8360.5	395.8	4.73	5—4	C. P. Beebe, Framingham Center, Mass.
	S. Grassland Elinor's Valentine 97207 A. R.					D. Dorothy of Green Lodge 119015 A. R.
R†20833	Bellmath Rena 180597	7412.7	371.5	5.01	8—6	Parker Corning, Glenmont, N. Y.
	S. Bellmath's Worthy Master 78414 A. R.					D. Bellmath Orphan Oola 137820

CLASS B—Four and One-Half to Five Years

R°*29754	Hilltop Butterfat Rosette 265850	18210.9	970.9	5.33	4—9	Thomas Marsalis, Queenstown, Md.
	S. Imp. Primrose's Butterfat 104967 A. R.					D. Roselle of Fox Valley 61739 A. R.

R°¶*29718 Palotterie of Fairview Home 313113 16764.6 860.3 5.13 4—10 S. M. Merrill, Ipswich, Mass.
S. Gusta of High Rock's Foremost 70872 A. R. D. Palotterie of High Rock 187483 A. R.

R29210 Lynbrook Rosita 318132 13500.0 787.3 5.83 4—11 T. P. Lindsay, Southboro, Mass.
S. Cherub's Monarch of Shorewood 117203 A. R. D. Rosita of Waumesit 99806 A. R.

R31220 Camilla of Radisson 320996 11985.5 663.8 5.54 4—8 Simon Kruse, Anoka, Minn.
S. Radisson's Golden Royalist 91632 A. R. D. Cayuga of Radisson 261403

R29896 Imp. Homestead Clara's Dimple 262521 14129.2 650.1 4.60 4—9 B. D. Miller, Honesdale, Pa.
S. Dimple's Boy of Cornus Farm R. G. A. S. 4985 P. S. A. R. D. Imp. Clara's Ladylike of Maple Lodge 248917

R29634 Hilltop Governor's Sheila 268489 13372.2 640.6 4.79 4—7 H. J. Heinz, Sharpsburg, Pa.
S. Hilltop Teddy R.'s Governor 137509 A. R. D. Imp. Butterfat's Sheila 192424 A. R.

33517 Holly's Harmony 280707 11265.3 625.2 5.55 4—7 Est. George P. McLean, Simsbury, Conn.
S. Zavalla's Zealous 134283 A. R. D. Mixter Harmony 179894

R¶30487 Max's Normarie of U. Neb. 263780 8337.1 481.8 5.78 4—6 University of Nebraska, Lincoln, Nebr.
S. Bournedale Count 129491 A. R. D. Lad's Norma 214885

¶33473 Florham Gold Flower 262477 8807.2 468.0 5.31 4—8 George B. Post, Bernardsville, N. J.
S. Old Contemptible 59639 A. R. D. Florham Gold Bloom 129428 A. R.

33534 Cloverdell Jolly 2d 265558 8471.9 425.7 5.02 4—6 Joseph I. France, Port Deposit, Md.
S. Penelope's King Procris 107000 A. R. D. Cloverdell Jolly 105491 A. R.

CLASS C—Four to Four and One-Half Years

°33510 Beechford's Golden Glow 283490 14768.9 808.4 5.47 4—0 Harry Bailey, Mount Tremper, N. Y.
S. Wyebrook Supreme 58407 A. R. D. Lenore's Golden Glow of High Point 81070 A. R.

R29352 Valley Gem Sugar 278614 14112.8 738.5 5.23 4—5 Valley Gem Farms, Arlington, Wash.
S. Mixter Senator 96930 A. R. D. Coeur d'Alene Lady 135669 A. R.

¶33502 Rosedale Christine 280950 13611.7 645.7 4.74 4—1 Fort Dodge Creamery Co.,Fort Dodge,Iowa
S. Aster's Royal Prince of Bacon Farm 85833 A. R. D. Olney's Beauty 4th 152650 A. R.

33472 Ultra May of Meadow Brook 273646 11288.8 604.8 5.36 4—1 John A. Miller, Nazareth, Pa.
S. Homestead Holliston 117816 A. R. D. Ultra May of Pine Valley 196853 A. R.

33523 Raymond's Flapper of B. J. F. 279686 11830.8 580.6 4.91 4—4 Willyard Brothers, Ravenna, Ohio.
S. Molly's Raymond 108021 D. Ana Laura of Barbara Jean Farm 127158

33501 Lynbrook Sunbeam 339396 10203.5 565.5 5.54 4—5 T. P. Lindsay, Southboro, Mass.
S. Lynbrook Silver King 124589 A. R. D. Lynbrook Spotlight 188727 A. R.

R30510 Warrior's Lady Edna 286335 10856.6 545.5 5.02 4—3 State of Alabama-Kilby Dairy Farms, Montgomery, Ala.
S. Gayoso Steadfast Warrior 111596 A. R. D. King's Lady Edna 213307

33518 Minnehaha Earl's Alice 283578 10535.7 510.7 4.85 4—1 University of Minnesota, Saint Paul, Minn.
S. Radisson's Earl 100680 A. R. D. Minnehaha Grenadier Alice 201666

CLASS D—Three and One-Half to Four Years

°33498 Orchard View Melody 285457 12719.3 729.4 5.73 3—8 T. P. Lindsay, Southboro, Mass.
S. Orchard View Reliance 143441 A. R. D. Orchard View Primrose 203016

R°31459 Langwater Cherry Blossom 307370 13063.8 715 0 5.47 3—8 J. Howard Leman, Hopkinton, Mass.
S. Langwater Valiant 51868 A. R. D. Golden Cherry of Prospect Farm 74012 A. R.

R°31175 Valor's Geraldine 317306 16342.2 702.3 4.30 3—7 Cornell University, Ithaca, N. Y.
S. Langwater Valor 79775 A. R. D. Foremost's Babbette 186573 A. R.

33528 Connie of Appanoose 293396 13103.7 635.0 4.85 3—8 E. K. Gaylord, Oklahoma City, Okla.
S. Cherub's Freeman of Appanoose 147729 D. Wonderful's Confidante of Appanoose 185402 A. R.

33521 Grassland Jemaquel 284444 10949.5 589.1 5.38 3—11 Robert and Herbert Scoville, Taconic, Conn
S. Grassland Sequel Masher 86522 A. R. D. Grassland Simplicity 190600

R31317 Hazelwood's Hopeful 309280 11687.3 573.9 4.91 3—8 R. B. Caldwell, Chester, S. C.
S. Imp. Betsey's Emblem 126428 A. R. D. Hazelwood Countess 155382 A. R.

33509 Duchess of Mt. Meadow Farm 303364 12028.5 527.5 4.39 3—7 Hugh Agricola, Gadsden, Ala.
S. Margaret's Actor of Gayoso Farm 103280 A. R. D. Duchess' Bonnie of Oak Ridge 133230

R¶31848 Tarbell Farms Royal Coquette 293289 9878.3 493.1 4.99 3—8 Cornell University, Ithaca, N. Y.
S. May Royal's Holliston 130308 A. R. D. Tarbell Farms Ultra Coquette 211612

33474 Imp. Ancram Farms Galaxy Flora 295252 10538.2 491.6 4.66 3—7 Angelica L. Gerry, Delhi, N. Y.
S. Galaxy's Slogan R. G. A. S. 5168 P. S. D. Imp. Florine of Figtree 275213 A. R.

33470 Hardwick's Ella 288748 8518.2 485.4 5.70 3—10 Henry W. Leeds, Westville, N. J.
S. Mixter Hardwick 107510 A. R. D. Yeoman's Mixter Ella 124208 A. R.

33535 Monsieur's Procris Flora 295547 8417.4 481.0 5.71 3—9 Joseph I. France, Port Deposit, Md.
S. Cherub's Monsieur Procris of Shorewood 98852 A. R. D. Cosquay Flora 125153 A. R.

CLASS E—Three to Three and One-Half Years

R°*31454 Argilla Formosa 303088 15875.8 854.5 5.38 3—5 S. M. Merrill, Ipswich, Mass.
S. Dolly's Foremost of High Rock 67827 A. R. D. Argilla Nora 181716 A. R.

°33484 Valley Gem Smilax 301707 12730.3 713.0 5.60 3—4 Valley Gem Farms, Arlington, Wash.
S. Mixter Senator 96930 A. R. D. Primrose of Valley Gem 174816 A. R.

R31845 Escalon Royal Gem 343496 11510.8 660.1 5.73 3—3 A. B. Humphrey, Escalon, Calif.
S. Highland Royal Prince 115656 A. R. D. Escalon Hattie 257131

33485 Beechwood Rosebud 306761 11706.5 646.3 5.52 3—5 Ralph E. Flinn, Sharpsburg, Pa.
S. Langwater Rameses 130281 A. R. D. Beechwood Princess Dianthea 245057 A. R.

¶33504 Sallie of High Hill 294330 11198.8 617.2 5.51 3—5 Est. William R. West, New Bedford, Mass.
S. High Point Harvester 116553 A. R. D. May Queen of High Hill 173561 A. R.

33481 Josie of Woodland 314852 11253.6 565.7 5.03 3—0 G. H. Wood, Monroe, Mich.
S. Raider's Recorder of Waddington 45877 A. R. D. Sir Coral's Bessie 71534 A. R.

33527 Eisele's Pamonia 307780 10845.2 530.2 4.89 3—3 E. K. Gaylord, Oklahoma City, Okla.
S. Rockingham Starbright 122127 A. R. D. Royalist's Charm of Fern Hill 229260 A. R.

33478 Corium Ultimage Kamelia 307510 8557.9 523.7 6.12 3—5 F. E. Fox, Waukesha, Wis.
S. Corium Ultimas' Image 135995 D. Corium Ultimas' Iola 235468 A. R.

†33530 WaldorfPilgrim's Patricia 311419 8568.1 516.7 6.03 3—4 Oscar F. Kinney, North Chatham, N. Y.
S. Waldorf Mina's Pilgrim 141154 A. R. D. Waldorf Tulip's Peggy-Ann 246383 A. R.
33513 Rancho Whiteface Rose 377071 10218.3 495.1 4.85 3—2 D. O. Brant, Canoga Park, Calif.
S. White Face of the Rancho 91959 A. R. A. Royal White Rose of the Rancho 201972 A. R.
33506 V. P. I. Actor's Gamma Fine 298208 8456.8 395.7 4.68 3—3 Virginia Polytechnic Institute, Blacksburg, Va.
S. Gayoso Roberta's Actor 98816 A. R. D. V. P. I. Gamma Ultimatum Helen 156453
33538 Bravery's Myrtle of Bolton 309367 8568.4 369.5 4.31 3—3 E. B. Morris, Bristol, Pa.
S. Langwater Bravery 67011 A. R. D. Broadhurst Eula 186118

CLASS F—Two and One-Half to Three Years

°33503 Mount Hope Redress 321443 12193.9 691.4 5.67 2—6 E. Parmalee Prentice, Williamstown, Mass.
S. Noble Regent of Allenwood 44384 A. R. D. Delphine of Horton Farm 212480 A. R.
°33496 Lynbrook Ann 380891 10738.4 673.5 6.27 2—7 T. P. Lindsay, Southboro, Mass.
S. Orchard View Reliance 143441 A. R. D. Lynbrook Anastasia 257548 A. R.
33490 Prophetess of Ware 381847 11324.9 616.1 5.44 2—6 George H. Timmins, Ware, Mass.
S. Langwater Hardwick 141685 A. R. D. Mixter Golden Aroma 179908 A. R.
¶33497 Lynbrook Fern 377139 9499.3 607.7 6.40 2—7 T. P. Lindsay, Southboro, Mass.
S. Orchard View Reliance 143441 A. R. D. Sweet Fern of Sunnyside 91624 A. R.
33526 Ladderlook Wistaria 326084 11947.9 592.3 4.96 2—8 Charles M. Davenport, Leyden, Mass.
S. Langwater Bigard 123279 A. R. D. Green Meadow Wistful 134445 A. R.
33525 Ladderlook Juanita 312952 10414.2 566.4 5.44 2—11 Charles M. Davenport, Leyden, Mass.
S. Langwater Zouave 128538 A. R. D. Yeoman's Mixter Juanita 87605 A. R.
33476 Regent's Oklahoma Star 320858 13500.2 564.4 4.18 2—10 Oklahoma Agricultural and Mechanical College, Stillwater, Oklahoma.
S. Beauty's Oklahoma Regent 111988 D. Rona's Star of Lapaz 164694
33489 Merry King's Glen Rose 325849 10198.4 525.9 5.16 2—9 Est. S. M. Shoemaker, Eccleston, Md.
S. Cherub's Merry King 151628 D. Cherub's Glen Rose 278514
33499 Lynbrook Kathrina 382027 8414.1 516.7 6.14 2—6 T. P. Lindsay, Southboro, Mass.
S. Orchard View Reliance 143441 A. R. D. Sonsie Kate of Waumesit 90775 A. R.
33515 Rita of Corning Farm 323701 10009.1 509.0 5.09 2—7 Parker Corning, Glenmont, N. Y.
S. Navigator of Edgemoor 62162 A. R. D. Imp. Rita III. of Bas Venelles 278490 A. R.
33524 Roughwood Borealis 322158 10148.3 493.2 4.86 2—9 Ernest B. Dane, Center Harbor, N. H.
S. Roughwood Cavalier 150866 A. R. D. Roughwood Rainbow 229712
33519 Minnehaha Earl's Betsy 318570 8616.8 465.4 5.40 2—10 University of Minnesota, Saint Paul, Minn.
S. Radisson's Earl 100680 A. R. D. Minnehaha Mignot's Beauty 158438 A. R.
33477 Bonelcho's Gouldy of Denmark 343282 9323.8 429.6 4.61 2—7 F. E. Fox, Waukesha, Wis.
S. Luxerin Bonelcho 93656 A. R. D. Austerlitz's Godolphine of Denmark 213492
¶33537 Max's Fame of U. Neb. 313487 6116.0 358.0 5.85 2—11 University of Nebraska, Lincoln, Nebr.
S. Bournedale Count 129491 A. R. D. Wood Lawn Emma's Finis 228189 A. R.

CLASS G—Under Two and One-Half Years

°33529 Rosemount Mermaid 326617 11311.7 650.2 5.75 2—4 H. J. Heinz, Sharpsburg, Pa.
S. Foremost's Excelsior 111350 A. R. D. Rockingham Milkmaid 180423 A. R.
°33487 Polly of White Farms 347536 12331.5 618.0 5.01 1—11 L. S. White, Cairo, N. Y.
S. Bournedale Rex 159247 D. Dairy Maid of White Farms 3d 215354 A. R.
¶33505 Valeria of Thousand Springs 327259 11293.8 590.5 5.23 2—3 Mrs. Minnie W. Miller, Wendell, Idaho.
S. Peerless of Thousand Springs 130998 A. R. D. Imp. Hunguets de Bas Vera 105595 A. R.
33511 Starr Farm Flossie's Pride 339778 10321.7 571.1 5.53 2—0 A. H. Beardsley, Elkhart, Ind.
S. King's Prospect 126311 D. Flossie's Pride of Beaver Meadows 234802
33480 Tianna's Favorite 331567 10900.5 569.7 5.23 2—3 J. E. Andrus, Jr., Walker, Minn.
S. Bournedale Monarch 149083 A. R. D. Maxim's Josephine 221213 A. R.
33494 Flying Hill Merry Lass 327468 12384.1 564.0 4.55 2—5 Caroline Archer, Reading, Pa.
S. Langwater Greatheart 145219 A. R. D. Delight of Flying Hill 239584 A. R.
33500 Lynbrook Seductive 380892 9968.7 555.9 5.58 2—5 T. P. Lindsay, Southboro, Mass.
S. Orchard View Reliance 143441 A. R. D. Lynbrook Secretive 2d 318133 A. R.
33520 Alcluyd Noontime's Dawn 386553 9982.9 526.5 5.27 2—3 Grace G. Ryder, Berwyn, Pa.
S. Apollo of Flying Hill 154050 A. R. D. Ivy's Noontime of Alcluyd 316323
33488 Lisette of White Farms 2d 338860 10739.3 512.3 4.77 2—4 L. S. White, Cairo, N. Y.
S. Bournedale Rex 159247 A. R. D. Lisette of White Farms 270619 A. R.
33482 Carrol of Woodland 362312 10903.1 511.2 4.69 2—0 G. H. Wood, Monroe, Mich.
S. Florham Anchor Boy 134953 A. R. D. Sequel's Selma of Woodland 270590 A. R.
33508 Elm Grove Florence 388775 10065.1 508.3 5.05 1—10 Charles H. and E. E. Adams, Eagle River, Wis.
S. Ard-Na-Clachan King 162938 D. Rockingham's Flo of Elm Grove 250973 A. R.
33522 Sunshine's Carolina Girl 324951 9552.9 472.3 4.94 2—5 L. E. Stroud, Great Falls, S. C.
S. Appin's Demonstrator 97996 A. R. D. Mable of Hickory Ridge 174454 A. R.
33483 Coventry Glenna 324829 9239.5 463.1 5.01 2—2 J. Elliott Hall, Morristown, N. J.
S. Imp. Honoria's Sequel Slogan 126459 A. R. D. Coventry Fanny Glen 262854 A. R.
†33531 Waldorf Luella 341047 7889.0 433.4 5.49 2—4 Oscar F. Kinney, North Chatham, N. Y.
S. Waldorf's Periwinkle's Governor 141711 D. Rose Louise of Meadow Springs 144631 A. R.
33514 Double Cavalier's Dot 368448 8340.5 418.1 5.01 2—3 Bureau of Dairy Industry, Columbia, S. C.
S. Gallant Cavalier 83960 A. R. D. Hazelwood's Dot 260294 A. R.
33539 Trixie's X Ray of Bolton 333661 8015.0 389.3 4.86 2—1 E. B. Morris, Bristol, Pa.
S. Trixie's King of Firestone Farms 118298 A. R. D. Resolute's X Ray of Harriton 223094 A. R.
33512 Starr Farm Anna Belle 339779 7661.5 363.8 4.75 2—0 A. H. Beardsley, Elkhart, Ind.
S. Gayoso Golden Beau 136609 A. R. D. Franchester Royal Anna Belle 175401 A. R.
33532 Waldorf Irene's Dottie 336338 7369.7 356.6 4.84 2—4 Oscar F. Kinney, North Chatham, N. Y.
S. Langwater Governor of Carteret 79617 A. R. D. Waldorf Irene 224197 A. R.
†33536 Brechinwood Sequel Prudence 366880 6486.3 312.0 4.81 2—1 Charles S. Mills, Jaffrey, N. H.
S. Greyholme's Sequel Mascot 156354 A. R. D. Argilla May Charity 251190 A. R.
†33491 Valiant's Inez of Law-Will 342946 5138.5 258.7 5.03 2—2 F. L. Williams, Hope, R. I.
S. Homestead Valiant 152370 A. R. D. Imp. Clara's Osceola of King's Mills 239232

Double Letter Class¶ Triple Letter Class† Class Leader* Exceeds Requirement by 100% or over° Re-entries R

HERD IMPROVEMENT RECORDS

Approved Records H. I. 829 to H. I. 839 with Re-entries

(Grade records and records that did not qualify are also listed)

H. I.	NAME AND NUMBER	Class	Req. of B. Fat	Days in Milk	Number Milkings Daily	Lbs. Milk	% of B. Fat	Lbs. B. Fat
Beasman, F. B., Fairhaven Farms, Sykesville, Maryland.								
832	Fairhaven Edgewood 239656	AHI	360.0	304	3-47 d; 2-236 d; 1-21 d.	8655.1	4.48	388.1
Dickinson, John L., Charleston, West Virginia.								
831	Brownlie Hope 341886	GHI	260.7	302	2-294 d; 1-8 d.	8689.6	4.49	390.4
Johnson, Andrew J., Clay Hill Farm, Fruitport, Michigan.								
829	Clay Hill Rose 333477	GHI	251.1	365	3-342 d; 2-23 d.	11164.9	4.91	548.3
830	Primrose Royal Progress 326912	GHI	250.5	365	3-341 d; 2-11 d; 1-13 d.	8740.2	5.91	516.5
Michigan State College, East Lansing, Michigan.								
833	Green Vale Carmen 300333	DHI	313.5	286	3-230 d; 2-56 d. 22 days lacking.	10471.4	4.66	488.0
834	Michigan Dictator's Jane 301018	DHI	307.7	306	3-233 d; 2-59 d; 1-14 d.	10010.5	4.57	457.6
Phillips, M. T., Maple Shade Farm, Pomeroy, Pennsylvania.								
838	Royal's Edith of Pomeroy 352329	GHI	255.2	355	3-355 d.	9780.4	4.60	450.2
Robertson, James B., Mid-Cutstraw Farm, Paoli, Pennsylvania.								
835	Brownlie Lady May 341171	GHI	258.6	331	2-325 d; 1-6 d.	7875.5	4.68	368.5
	Finesse of Sherwood 143660	AHI	360.0	283	2-274 d; 1-9 d.	6875.8	4.80	329.9
836	French Mary Ann 306565	EHI	298.0	316	3-38 d; 2-253 d; 1-25 d.	7843.4	5.18	406.6
Rogers, Dudley P., The Wethersfield Farm, Danvers, Massachusetts.								
837	Wethersfield Yvonne 374602	EHI	299.2	289	2-289 d. 76 days no record given.	7260.6	4.75	344.8
Snyder, J. Herbert, Locustcrest Farm, Union Bridge, Maryland.								
839	Locustcrest W. Pet 350797	GHI	257.0	365	2-365 d.	6909.0	4.99	345.1

Haven Hill Farm Entertains

(*Continued from page 189*)

future. George Taylor of the Michigan Agricultural College gave a very interesting discussion on udder diseases. He also brought out the fact that he saw fourteen scrub bulls purchased, at the Stock Yards the day he visited them in Detroit, to go out into dairy herds. Mr. Taylor urged breeders to be active in discouraging this practice. C. B. Finley, field representative of The American Guernsey Cattle Club, addressed the meeting.

After the talks Mr. Wigman took charge of a most interesting and instructive judging contest. Three farmer-breeders were selected to place a class of five excellent Haven Hill matrons. After they had them placed, three more breeders were selected to change them in any way they saw fit. Needless to say, there were some lively arguments which proved fruitful. After looking over some three classes an opportunity was afforded to look over the herd and milk plant.

Haven Hill Farm, which is under the very able management of Glen Fox, enjoys the distinction of receiving the first Mastitis Free Certificate in Michigan, and was one of the first to receive an Abortion Free Certificate. The dairy was especially interesting as, for several years Haven Hill Farm has specialized in producing and distributing a high quality milk, and it is starting on September 1 to use the Label.

THE FOLLOWING COWS DESERVE HONORABLE MENTION FOR ONE MONTH'S PRODUCTION

(*Continued from page 190*)

Stadacona Rosebud 350770 Owner: Elizabeth Douglas, Tilly Foster, New York.	2—8-34	June	897.8	56.38	GGG
Ken Nelly 353035 Owner: Charles J. Wilcox, Shelburne, Vermont.	11-24-33	May	1011.5	55.03	GGG
Surety Dot's Nancy 354318 Owner: I. W. Moyle, Big Bend, Wisconsin.	3-24-34	Apr May	1210.9 1259.5	54.73 53.28	GGG
Elm Grove Grace 403497 Owner: Charles H. and E. E. Adams, Eagle River, Wisconsin.	3-18-34	Apr May	1232.3 1176.9	53.24 52.37	GGG
Georgia of Cold Spring Harbor 352907 Owner: Henry L. Batterman, Millneck, New York.	4-20-34	June	831.8	52.40	GGG
Peggy Ima 301138 Owner: J. A. Merriman, Eugene, Oregon.	4-17-34	May	1280.8	51.87	GGG
Borrodale Beebe's Yvonne 352461 Owner: Est. John R. Gladding, Thompson, Connecticut.	3-1-34	Mar Apr	964.0 985.0	50.51 51.61	GGG
Mopsey's Lady of Pioneer Point 355572 Owner: Helena S. Raskob, Centerville, Maryland.	4-21-34	May	1074.2	51.02	GGG

SUMMARY OF 41137 ADVANCED REGISTER RECORDS

(Includes single, double and triple letter records)

	Records	Lbs. Milk	Lbs. B. F.	Per Cent.
Class A	11897	11238.7	553.8	4.93
Class B	2717	10860.4	539.9	4.97
Class C	3212	10493.6	518.9	4.94
Class D	3477	10073.5	503.6	5.00
Class E	4109	9466.8	478.0	5.05
Class F	5170	9509.8	466.5	4.91
Class G	10555	8885.7	445.6	5.01
	41137	10059.1	499.6	4.97

DAM-DAUGHTER COMPARISON

The Dam-Daughter comparisons given below are based on data compiled by the Advanced Register Division. The sires all have progeny that have been registered within four years and include American bred or imported bulls. They are published in alphabetical order and list only those sires having ten or more dam-daughter pairs. It is believed that this list can be used as a foundation for any index a breeder wishes to use. Number of daily milkings shown in parentheses.

Langwater Pacemaker 39635, A. R.

Sire, Langwater Model 28061, A. R. Dam, Langwater Destiny 49486, A. R. 5293. Born April 12, 1916. Bred by F. L. Ames, North Easton, Mass. Owned by S. R. Matlack, Medford, N. J.
Daughters, 35 registered. 14 A. R. Daughters, 13 Dam-Daughter pairs.

Daughters	Lbs. Milk	Lbs. B. Fat	Class	*Dams*	Lbs. Milk	Lbs. B. Fat	Class
Venus of Groveland 121405 (3-4 mos.; 2-8 mos.)	7155.4	316.8	G	Vie of Linwood 69979 (2-12 mos.)	9513.0	434.5	A
Re-entry (3-6 mos.; 2-6 mos.)	9319.7	451.4	CC	Re-entry (3-12 mos.)	10084.1	466.3	AA
Dot of Medford 121341 (2-10 mos.)	6389.4	330.2	GGG	Caroline of Groveland 95849 (3-10 mos.; 2-2 mos.)	8928.5	384.5	DD
Re-entry (3-12 mos.)	9703.3	515.0	E	Re-entry (2-10 mos.)	8867.7	396.3	AAA
Cady's Jewel 120524 (3-12 mos.)	11927.5	564.5	GG	Cady of Linwood 71295 (3-12 mos.)	12178.4	587.8	AA
Re-entry (3-11.5 mos.; 2-.5 mo.)	14618.5	664.6	C				
Cady's Pearl 175980 (3-7.5 mos.; 2-4.5 mos.)	8086.5	416.8	G	Cady of Linwood 71295 (3-12 mos.)	12178.4	587.8	AA
Re-entry (2-10 mos.)	6709.4	327.0	EEE				
Locust Lane Irene 156713 (3-2.5 mos.; 2-9.5 mos.)	8554.6	461.7	G	King's Elva 81823 (3-6 mos.; 2-5 mos.)	8400.8	373.3	CC
Re-entry (2-9.5 mos.)	7119.3	372.0	CCC	Re-entry (3-12 mos.)	11895.7	570.4	A
Cady's Diamond 207146 (2-10 mos.)	7128.5	329.1	GGG	Cady of Linwood 71295 (3-12 mos.)	12178.4	587.8	AA
Pacemaker's Lady 200847 (2-10 mos.)	8731.5	435.1	G	Locust Lane Netoria 156714 (2-10 mos.)	7273.1	355.5	GGG
				Re-entry (3-6 mos.; 2-6 mos.)	9892.4	499.8	A
Locust Lane Rose Mary 190990 (2-12 mos.)	7119.2	405.9	D	Rosalie of Groveland 95847 (3-12 mos.)	11996.3	628.5	C
Pacemaker's Caroline 233638 (2-10 mos.)	7043.8	352.9	GGG	Caroline of Groveland 95849 (3-10 mos.; 2-2 mos.)	8928.5	384.5	DD
				Re-entry (2-10 mos.)	8867.7	396.3	AAA
Pacemaker's Destiny 221232 (3-4 mos.; 2-7 mos.)	7179.7	361.5	G	Rude's Lady of Bellview 61836 (3-9 mos.; 2-3 mos.)	9643.5	540.3	A
Re-entry (2-9 mos.)	6684.5	349.1	CCC				
Re-entry (2-10 mos.)	8164.4	412.1	AAA				
Pacemaker's Frances 226302 (2-12 mos.)	11723.8	562.4	C	Frances Lucinda 100295 (3-12 mos.)	10186.7	509.8	C
				Re-entry (2-10 mos.)	10177.8	520.2	AAA
				Re-entry (2-12 mos.)	10511.2	530.4	A
Pacemaker's Snowdrop 252707 (2-10 mos.)	7809.1	364.1	AAA	Prairie Snowdrop 83846 (4-2 mos.; 3-4 mos.; 2-5 mos.)	7148.3	335.2	CC
Pacemaker's Ultra Lady 251506 (3-12 mos.)	12795.4	620.7	B	Locust Lane Netoria 156714 (2-10 mos.)	7273.1	355.5	GGG
				Re-entry (3-6 mos.; 2-6 mos.)	9892.4	499.8	A

Langwater Pharaoh 98719, A. R.

Sire, Langwater Sheik 77112, A. R. Dam, Langwater Queen of the East 70304, A. R. 7783. Born March 11, 1924. Bred and owned by John S. Ames, North Easton, Mass.
Daughters, 55 registered. 25 A. R. Daughters, 21 Dam-Daughter pairs.

Daughters	Lbs. Milk	Lbs. B. Fat	Class	*Dams*	Lbs. Milk	Lbs. B. Fat	Class
Langwater Iris 204360 (3-12 mos.)	10956.6	603.5	E	Langwater Isis 155391 (3-12 mos.)	13419.4	666.9	B
Langwater Ilex 244738 (3-12 mos.)	9974.3	425.4	G	Langwater Isis 155391 (3-12 mos.)	13419.4	666.9	B
Re-entry (3-12 mos.)	12762.7	538.2	B				
Florham Egypta 246692 (3-12 mos.)	10190.9	519.4	G	Priscilla Select 191978 (3-12 mos.)	10805.2	567.2	GG
Re-entry (3-7.5 mos.; 2-4.5 mos.)	12063.5	595.7	E				
Florham Sparkles 241980 (3-12 mos.)	8974.6	407.7	FF	Florham Primrose 186041 (3-12 mos.)	11051.2	487.2	GG

Wyan of Pakeen 305005 (2-10 mos.)	6944.6	347.9	FFF
Langwater Flirt 283999 (3-12 mos.)	12610.2	644.1	G
Langwater Gardenia 2d 283995 (3-12 mos.)	11898.0	614.3	F
Re-entry (3-12 mos.)	15172.0	820.2	C
County Flower of Fern-Dell 249814 (3-12 mos.)	11690.9	494.7	F
Langwater Meadow Sweet 283997 (3-12 mos.)	13497.0	645.7	F
Valentine of Langwater 2d 284004 (3-12 mos.)	13852.5	619.4	G
Langwater Anne 284005 (3-12 mos.)	12453.1	652.6	F
Langwater Sunshine 2d 273786 (3-12 mos.)	14051.0	591.0	D
Langwater Buttercup 292008 (3-12 mos.)	13606.6	715.8	G
Langwater Golden Glow 302661 (3-12 mos.)	11769.4	524.3	F
Langwater Tulip 307368 (3-12 mos.)	11038.9	619.7	G
Langwater Country Blossom 307376 (3-12 mos.)	11936.3	607.7	G
Langwater Opal 318578 (3-12 mos.)	11608.9	656.8	F
Langwater Valencia 304322 (3-12 mos.)	13623.7	763.8	E
Langwater Isobel 318579 (2-12 mos.)	8487.9	405.5	FHI
Langwater Red Tulip 327078 (3-12 mos.)	9404.5	450.9	G
Charlescote Rosa des Houards 337325 (3-12 mos.)	10969.6	550.0	G

Onaway of Pakeen 181179 (2-10 mos.)	8107.6	370.5	EEE
Re-entry (2-10 mos.)	10602.2	502.9	AAA
Imp. Queen's Fairy of Hillside 137117 (3-12 mos.)	13372.1	649.6	F
Langwater Gardenia 74565 (3-12 mos.)	13819.9	696.2	CC
Imp. County Flower of Langwater 149216 (3-12 mos.)	14166.8	662.5	A
Langwater Queen of the Meadow 210364 (3-12 mos.)	13116.5	731.7	D
Valentine of Langwater 112438 (3-12 mos.)	13951.2	624.2	G
Re-entry (3-12 mos.)	16950.3	787.4	A
Upland's Agnes 104826 (3-11 mos.; 2-1 mo.)	12289.0	612.9	EE
Langwater Sunshine 98359 (3-12 mos.)	13218.3	612.3	E
Imp. Beauty's Flora of Langwater 137139 (3-12 mos.)	13624.0	612.0	E
Re-entry (3-12 mos.)	17054.9	787.5	A
Langwater Golden Cherry 195132 (3-12 mos.)	10527.9	535.1	G
Imp. Brickfield's Tulip of Langwater 137122 (3-12 mos.)	14576.7	665.8	D
Langwater Country Flower 204359 (3-12 mos.)	10536.1	580.7	F
Re-entry (3-12 mos.)	15106.3	790.4	A
Langwater Gem 122456 (3-12 mos.)	12500.0	686.4	D
Valentine of Langwater 112438 (3-12 mos.)	13951.2	624.2	G
Re-entry (3-12 mos.)	16950.3	787.4	A
Langwater Isis 155391 (3-12 mos.)	13419.4	666.9	B
Imp. Brickfield's Tulip of Langwater 137122 (3-12 mos.)	14576.7	665.8	D
Corium Pride's Ingarose 235599 (3-12 mos.)	9420.9	509.4	G
Re-entry (3-12 mos.)	11100.9	597.6	A

Langwater Primate 107127, A. R.

Langwater Steadfast 31672, A. R. Dam, Primrose of Langwater 104538, A. R. 15792. Born Oct. 15, 1924. Bred by John S. Ames, North Easton, Mass. Owned by Stuart M. Aldrich, Rehoboth, Mass.
Daughters, 42 registered. 16 A. R. Daughters, 11 Dam-Daughter pairs.

Daughters	Lbs. Milk	Lbs. B. Fat	Class	*Dams*	Lbs. Milk	Lbs. B. Fat	Class
Phillips Hope 223434 (3-12 mos.)	8243.0	430.4	G	Hope of Phillips Farm 171663 (3-12 mos.)	10405.7	529.0	G
Re-entry (3-12 mos.)	10424.9	457.4	A				
Phillips Rubyanne 223435 (3-12 mos.)	10274.2	449.5	F	Rubyanne of Phillips Farm 180692 (3-12 mos.)	11585.7	530.7	C
Phillips Betty 237117 (3-12 mos.)	10573.2	533.2	F	Betty May of Phillips Farm 134384 (3-12 mos.)	12580.8	624.2	A
Red Echo La Biddy 253978 (2-10 mos.)	8841.4	458.3	FFF	Biddy of Topsham View Farm 91927 (3-12 mos.)	12380.4	693.7	A
				Re-entry (2-10 mos.)	11134.9	566.6	AAA
				Re-entry (3-12 mos.)	17027.4	886.3	AA
Phillips Cora 237118 (3-12 mos.)	13793.6	657.5	D	Cora of Phillips Farm 153921 (3-12 mos.)	10459.5	514.6	F
Phillips Mary Anne 284864 (3-12 mos.)	11632.7	570.0	F	Rubyanne of Phillips Farm 180692 (3-12 mos.)	11585.7	530.7	C
Phillips Ultra Maid 256893 (3-12 mos.)	11603.2	607.3	E	Ultra Maid of Phillips Farm 119149 (3-12 mos.)	10312.3	491.8	GG
				Re-entry (3-12 mos.)	15823.0	748.8	A
Phillips Elsie Girl 284865 (3-12 mos.)	12690.6	593.2	F	Elsie of Phillips Farm 126111 (3-11 mos.; 2-1 mo.)	12828.2	619.8	CC
Phillips Maiden 232050 (3-12 mos.)	13422.2	655.3	A	Ultra Maid of Phillips Farm 119149 (3-12 mos.)	10312.3	491.8	GG
				Re-entry (3-12 mos.)	15823.0	748.8	A
Aldrich Farm Hollyhock 307213 (3-12 mos.)	14235.3	758.3	G	Rockingham Sunflower 224005 (3-12 mos.)	11641.0	589.0	G
				Re-entry (3-12 mos.)	15560.7	752.8	C
Primate's Pet 317977 (3-12 mos.)	11108.0	688.3	G	Sunnybrook Royal Beauty 148464 (3-12 mos.)	10719.5	570.5	G
				Re-entry (3-12 mos.)	12523.1	701.4	AA

WHAT THE COWS ARE DOING

Their Latest Credits in the Advanced Register

SPECIAL NOTE: This list contains the monthly and total credits as checked at the time of going to press. Any omission signifies that either data had not been received in time or are held pending verification. These credits are subject to verification and correction until final approval and acceptance and all are made on the one-day basis except as otherwise indicated. Re-entry test is indicated by a * before the cow's name. Farmers' Class record is indicated by a †

Name and Number	Class	Days	Month	Production Credit Lbs. Milk	% B. Fat	Lbs. B. Fat	Total Credit Lbs. Milk	Lbs. B. Fat
Adams, Charles H. & E. E., Elm Grove Farm, Eagle River, Wis.								
†Elm Grove Grace 403497	G	14	Mar	531.5	4.32	22.96		
		44	Apr	1232.3	4.32	53.24		
		75	May	1176.9	4.45	52.37		
		105	June	934.3	4.65	43.44	3875.0	172.01
s. Ard-Na-Clachan King 162938	D. Pleasant's Guernsey Girl 159248							
Elm Grove Lu 387650	G	350	June	471.4	5.50	25.93	8970.4	432.85
†Elm Grove Marcella 387649	E	137	June	907.9	4.91	44.58	4719.2	228.20
*Elm Grove's Slogan Bountiful 365898	D	262	June	854.9	4.30	36.76	10834.1	453.45
*†Prince's Jennie of Elm Grove 246593	A	143	June	1153.8	4.85	55.96	7726.0	355.18
Adohr Stock Farms, Reseda, Calif.								
Adohr Darby Girl 386178	D	26	May	1212.5	5.24	63.54		
s. Imp. Darby Valentine 104969	D. Vesta of Windmere 2d 157388 A. R. 24577							
Adohr Fantine Beauty 334324	F	267	May	959.2	5.74	55.06	8232.0	418.95
Adohr Florence 345943	G	171	May	1044.8	6.35	66.34	6154.7	321.13
Adohr Inspiration Girl 326347	F	279	May	1094.5	5.13	56.15	10049.5	496.59
Adohr Sweetbriar 357259	F	6	Apr	191.5	3.76	7.20		
		37	May	1265.2	3.76	47.57	1456.7	54.77
s. Mixter Uproar 100136 A. R.	D. Luke's Sweetbriar of Adohr Farms 214993 A. R. 27994							
*Beatrice of Adohr Farms 280877	B	240	May	1222.6	5.51	67.37	10458.4	544.38
Golden Milkmaid of Adohr Farms 244667	A	180	May	1359.1	5.80	78.83	7704.1	403.02
*†Lady Verra of Adohr Farms 269608	A	191	May	1079.9	3.64	39.31	7671.1	296.13
Agricola, Hugh, Mount Meadow Guernsey Farm, Gadsden, Ala.								
Lillie's Glen's Buttercup 328478	E	198	June	1155.7	4.00	46.23	7480.4	307.09
Mt. Meadow's Dot Susie 266003	A	157	June	1190.9	4.47	53.23	5904.9	288.07
Aigler, Paul J., Bellevue, Ohio.								
†Aigler Farm Joy 405247	G	91	June	1018.4	3.54	36.05	3114.9	110.57
Aigler, R. J., Bellevue, Ohio.								
†Aigler Farm Goldie 382272	G	192	June	807.8	4.89	39.50	5789.6	267.03
†Aigler Farm Pansy 382271	G	279	June	752.7	5.10	38.39	7684.0	360.79
Aigler Farm Primrose 382270	G	234	June	1031.9	4.05	41.79	9473.7	367.41
Alabama, State of, Kilby Dairy Farms, Montgomery, Ala.								
Actor's Alabama Minnie 343598	G	330	June	768.5	4.33	33.28	8705.5	373.72
Beaux's Phyllis Glenwood 344528	G	273	June	905.4	3.84	34.77	8756.3	365.11
Beaux's Pilot's Princess 343607	G	212	June	811.7	4.71	38.23	5962.1	267.23
Kilby's Clarice 361297	G	122	June	945.8	4.51	42.66	3961.2	185.27
Kilby's Clemson Queen 237428	A	316	June	731.4	4.35	31.82	8084.5	379.01
Kilby's Frances 358367	G	169	June	903.2	5.00	45.16	5863.6	261.38
Kilby's Mary 358369	G	141	June	849.1	6.07	51.54	4235.2	214.59
Kilby's Minnie Lee 358372	G	173	June	807.2	4.50	36.32	4789.5	206.55
Kilby's Pansy 361296	G	150	June	789.7	4.20	33.17	4338.5	201.02
Kilby's Princess 366061	G	6	May	193.0	4.37	8.43		
		36	June	945.5	4.37	41.32	1138.5	49.75
s. Biserta Pansy's Actor 183805	D. Warrior's Bertha Princess 312593 A. R. 31789							
Kilby's Sarah 361295	G	180	June	765.0	4.30	32.90	5471.5	231.83
Kilby's Sunbeam 362881	G	31	May	949.0	3.40	32.27		
		61	June	936.4	4.34	40.64	1885.4	72.91
s. Gayoso Actor's Beaux 155668 A. R.	D. Majestic's Sunbeam 176894 A. R. 31336							
*Kilby's Warrior's Doris Hamilton 251661	A	138	June	1205.7	3.85	46.42	6187.1	239.48
Klondike Fatima 346282	G	246	June	410.9	4.55	18.70	4609.2	191.49
Klondike Royal Flirt 346278	G	240	June	650.4	5.51	35.84	5429.9	300.49
*Miss Augusta Irene 186220	A	267	June	900.6	5.11	46.02	9503.8	464.57
*Steadfast Warrior's Queen 286337	B	260	June	876.7	4.56	39.98	9206.2	418.44
*Warrior's Alpha 279002	B	257	June	886.3	5.22	46.26	8556.6	453.35
*Warrior's Bertha Princess 312593	E	350	June	609.3	5.22	31.81	10077.2	477.93
Warrior's Echo Princess 318124	E	269	June	774.7	4.75	36.80	8672.5	353.83
*Warrior's Fern's Jewella 302830	C	107	June	1287.1	4.71	60.62	5035.3	211.33
*Warrior's Jeweller Belle 237431	A	240	June	953.1	4.22	40.22	8678.6	359.97
*Warrior's Loelle 295223	C	194	June	955.8	5.01	47.89	7337.2	354.29
*Warrior's Majestic's Sunbeam 278998	B	365	June	461.7	4.52	20.87	10715.4	448.4
*Warrior's Minnie Lee 239900	A	327	June	807.4	4.33	34.96	10876.3	447.74
*Warrior's Phyllis Glenwood 272900	A	171	June	1369.7	4.03	55.20	8758.1	355.35
*Warrior's Princess Lily 311588	C	111	June	1163.0	3.83	44.54	4465.1	177.70
*Warrior's Roseneath Cherry 278999	B	247	June	901.6	5.08	45.80	8724.2	434.33

Aldrich, Stuart M., The Aldrich Farm, Rehoboth, Mass.								
Aldrich Farm Bertha 327676	F	303	June	923.4	4.65	42.94	10913.1	493.53
Aldrich Farm Queen 319144	C	249	June	951.5	5.65	53.76	9336.6	500.52
King's Ultra Dorcas 344774	F	18	Apr	520.8	4.76	24.79		
		49	May	1004.6	5.07	50.93		
		79	June	891.3	4.61	41.09	2416.7	116.81
S. Aldrich Farm King 160867	D. Phillips Ultra Maid 256893 A. R. 30884							
Primate's Minnehaha 321866	F	326	June	653.2	6.01	39.26	8175.8	445.88
Primate's Waneta 352214	G	10	Apr	363.8	4.46	16.23		
		41	May	1296.4	4.16	53.93		
		71	June	1166.3	4.68	54.58	2826.5	124.74
S. Langwater Primate 107127 A. R.	D. Maplecroft Speckles 227476 A. R. 29252							
Sarah of Clover Farm 245452	A	194	June	984.3	5.22	51.38	8112.8	387.18
Ames, John S., Langwater Farm, North Easton, Mass.								
*Langwater Anne 284005	B	361	May	919.6	5.64	51.87	14827.7	778.35
Langwater Annette 356076	G	169	May	896.0	4.88	43.72	5695.5	274.58
Langwater Blanche 2d 377458	G	166	May	1246.9	4.92	61.35	7080.7	315.89
Langwater Coronet 304321	D	365	May	425.7	5.32	22.65	12811.5	679.0
Langwater Easton's Queen 361142	G	148	May	955.9	4.72	45.12	4764.4	220.52
Langwater Honey-moon 327071	E	358	May	919.9	6.29	57.86	11403.8	641.72
Langwater Joyous 351416	F	243	May	997.0	5.48	54.64	8062.4	407.19
*Langwater Lively 266755	A	125	May	1784.6	4.70	83.88	7281.4	356.21
Langwater Mona 318580	D	139	May	907.6	4.97	45.11	4996.3	245.17
Andrus, J. E., Jr., Tianna Farms, Walker, Minn.								
Tianna's Felicia 354154	G	170	June	1093.2	5.68	62.09	6694.2	347.39
Tianna's Fleurette 331569	G	365	June	631.4	5.53	34.92	12992.7	678.2
*Tianna's La Noce Edna 320180	D	22	May	1214.7	4.07	49.44		
		52	June	1719.7	4.07	69.99	2934.4	119.43
S. La Noce Holliston 152894	D. Beda's Milvia of Island Farm 2d 138884 A. R. 22007							
*Tianna's La Noce Evaline 321614	D	14	Apr	651.6	5.08	33.10		
		45	May	1522.1	5.08	77.32		
		75	June	1366.7	5.35	73.12	3540.4	183.54
S. La Noce's Maxim 96278 A. R.	D. Nichetta 127366 A. R. 19415							
Tianna's La Noce Faith 354153	G	201	June	982.8	6.00	58.97	6436.7	368.66
Archer, Caroline, Flying Hill Farms, Reading, Pa.								
*Bonnibel of Flying Hill 262437	A	19	Apr	906.3	4.94	44.77		
		50	May	1338.4	4.58	61.30		
		80	June	1412.1	4.63	65.38	3656.8	171.45
S. Green Meadow Fearless 89619 A. R.	D. Balinda of Flying Hill 116056 A. R. 15163							
Flying Hill Cherry 339495	F	234	May	802.2	4.44	35.62	7558.3	319.84
*Flying Hill Clementine 327466	D	150	June	987.8	5.17	51.07	5387.7	279.97
*Flying Hill Dawn 323817	D	29	May	1398.6	4.27	59.72		
		59	June	1487.9	4.12	61.30	2886.5	121.02
S. Langwater Greatheart 145219	D. Daybreak of Flying Hill 225619 A. R. 28413							
Flying Hill Fascination 344758	G	204	June	926.8	5.43	50.33	6784.9	355.92
Flying Hill Golden Bells 316434	D	117	June	1420.7	4.68	66.49	5520.6	261.56
Flying Hill Justice 357705	G	146	May	730.7	4.53	33.10	4564.6	192.82
Flying Hill Sheila 297450	D	243	May	623.2	4.95	30.85	6775.7	323.46
*Flying Hill Tillie 297452	D	358	June	1242.8	4.76	59.16	15918.2	715.48
*Hester of Flying Hill 225617	A	150	June	1305.8	5.09	66.47	7198.8	369.88
*Leah of Flying Hill 262436	A	102	June	1376.2	5.21	71.70	4841.4	241.48
Lucinda of Flying Hill 329890	F	273	June	933.2	5.49	51.23	8576.0	469.98
*Modiste of Flying Hill 211526	A	139	June	1282.0	4.84	62.05	6525.8	314.41
*Nonpareil's Lillian of Breidablik 225336	A	203	June	988.9	6.11	60.42	7226.8	418.22
*Victory of Flying Hill 244151	A	17	Apr	807.5	5.13	41.42		
		48	May	1487.8	4.53	67.40		
		78	June	1398.3	4.49	62.78	3693.6	171.60
S. Green Meadow Fearless 89619 A. R.	D. Pride's Glory of Flying Hill 103166 A. R. 15164							
Archer, Mary, Flying Hill Farms, Reading, Pa.								
Flying Hill Lustre 328122	G	365	June	730.3	6.31	46.08	9852.4	598.5
Arizona, University of, Tucson, Ariz.								
Arizona Farm's Mildred 372914	G	253	June	1257.4	4.14	52.06	11144.8	470.36
Arizona Farm's Queen 372913	F	84	June	1277.5	5.47	69.88	3298.8	165.23
Axton, Wood F., "Wildwood," Prospect, Ky.								
Duke's Ultra Pride 342202	E	280	May	865.2	5.10	44.13		
		310	June	806.1	5.02	40.47	9571.1	477.59
Wildwood Actor's Jean 348136	G	156	Apr	773.7	5.53	42.79		
		187	May	818.0	5.20	42.54		
		217	June	737.1	5.74	42.31	6551.9	347.55
Wildwood Dairy Maid's Ann 357251	G	6	Mar	197.6	3.93	7.77		
		36	Apr	1173.1	3.93	46.10		
		67	May	1157.8	4.23	48.97		
		97	June	1022.6	4.28	43.77	3551.1	146.61
S. Gayoso Margaret's Actor 153105 A. R.	D. Cherub's Dairy Maid 258663							
Wildwood Jessica's Lena 357250	G	18	Mar	539.2	5.05	27.23		
S. Gayoso Margaret's Actor 153105 A. R.	D. Corium Laddie's Jessica 262066 A. R. 31290							
Wildwood Stella's Queen 339952	G	280	May	766.1	5.36	41.06		
		310	June	680.3	5.13	34.90	8354.6	451.92
Bache, Carter, Maywood Farms, Benton, Pa.								
Langwater Dulcette 373691	G	135	June	966.6	4.64	44.85	4454.1	193.47
Maherwood Melody 349660	G	160	June	1012.6	4.69	47.49	6362.5	286.20
Maywood Stella 335912	E	154	June	1091.9	4.03	44.00	6065.3	239.12

Bacon, Robert, Mrs., "Oldacres," Westbury, N. Y.								
Sovereign's Romana 320656	D	100	June	1476.5	4.74	69.99	4810.2	214.50
Sovereign's Vesta of Oldacres 374371	F	109	June	1162.6	4.84	56.27	4642.6	208.93
Bailey, Harry, Beechford Farms, Mount Tremper, N. Y.								
Beechford's Charlotte 304407	D	227	June	1045.5	4.82	50.39	8552.2	391.28
Beechford's Irene 306134	D	334	June	962.3	6.28	60.43	11164.0	642.04
Beechford's Nina 358394	F	181	June	895.3	5.51	49.33	5620.0	290.49
Beechford's Ruth 3d 306135	D	312	June	747.4	5.36	40.06	10069.6	528.06
Beechford's Victoria 335827	F	295	June	861.5	6.05	52.12	9199.0	516.45
Barclay, D. W., Chuckanut Farm, Mount Vernon, Wash.								
†Captivator's Sunbeam 396329	G	11	Apr	439.2	5.07	22.27		
		42	May	1283.3	5.07	65.06		
		72	June	1034.4	5.07	52.44	2756.9	139.77
S. Evaline's Captivator of Grangeville 148660		D. Emra of Highland View 248843						
Khedive's Beauty 212768	A	146	June	1322.4	4.85	64.14	7354.3	334.81
Barclay, Hugh, Douglaston Manor Farm, Pulaski, N. Y.								
Douglaston Duchess Elizabeth 330747	G	365	June	109.3	4.97	5.43	11178.9	517.3
Douglaston Duchess Marie 336290	G	296	June	843.5	5.36	45.21	8290.6	426.68
Douglaston Elizabeth York 295940	D	281	June	936.1	4.37	40.91	9763.2	439.50
Douglaston Mary Teck 330813	G	365	June	130.9	4.83	6.32	12019.1	567.6
Douglaston Princess Rosalind 340394	G	234	June	945.4	5.03	47.55	7131.6	341.56
Douglaston Princess Wilhelmina 358645	G	98	June	1195.6	4.70	56.19	3591.7	162.98
Douglaston Ultra Louise 347810	G	164	June	939.5	4.76	44.72	5230.5	227.82
Douglaston Ultra Maria 347811	G	172	June	848.1	4.70	39.86	5290.0	227.93
Douglaston Ultra Patricia 347809	G	148	June	954.7	4.80	45.83	5098.7	227.81
Lily of Glengeran 328989	F	234	June	714.4	5.87	41.94	5684.7	334.25
*Imp. Rose IV. of Le Neuf Chemin 291737	A	216	June	978.6	5.40	52.84	8082.2	420.57
Imp. Sheba of Les Jetteries 359171	F	171	June	1006.3	5.06	50.92	5905.0	261.69
Bartell, Reinhard C., Silent Brook Farm, Thiensville, Wis.								
†Silent Brook's Maxim's Lady B. 353653	F	61	May	1362.2	4.04	55.03	2728.4	105.85
Batterman, Henry L., Beaverbrook Farm, Millneck, N. Y.								
†Beaverbrook Gracious 244556	A	117	June	1154.7	5.74	66.28	5093.3	274.41
†Georgia of Cold Spring Harbor 352907	G	72	June	831.8	6.30	52.40	2106.5	124.93
Beardsley, A. H., Starr Farm, Elkhart, Ind.								
*Elm Row Blizzard 319536	A	273	June	1016.9	4.96	50.44	8694.2	428.35
Elm Row Pride Squaw 393560	G	270	June	760.1	5.41	41.12	6834.3	376.11
Elm Row Squaw 346120	C	273	June	991.4	4.74	46.99	9507.7	461.24
Flossie's Pride of Beaver Meadows 234802	A	365	June	735.6	4.63	34.06	13286.9	607.7
Mayflower's Bonneyville Bess 343127	F	181	June	685.4	5.60	38.38	3799.4	201.98
Sheila of Watervliet 242097	A	365	June	727.6	5.46	39.73	13432.9	711.2
Starr Farm Jessie 365245	G	133	June	736.4	4.14	30.49	3585.7	152.14
Starr Farm Linwood Flossie 339780	G	365	June	31.1	4.88	1.52	8383.1	391.8
Starr Farm Sheila 365246	G	242	June	754.8	4.53	34.19	6108.6	290.64
Beck, Albert H., Broadmeadows Farm, Wayland, Mass.								
Betsy of Preston Hollow 266221	A	262	June	888.9	5.13	45.60	8670.9	430.12
Ellen of Preston Hollow 344960	G	263	June	921.5	5.12	47.18	8432.0	431.70
†Laughter's Winnetuxet Mirth 3d 360913	D	122	June	790.6	5.95	47.04	4063.2	206.05
†Oaks Farm Fawn 311333	D	29	May	1356.9	5.00	67.85		
		59	June	1405.4	4.88	68.58	2762.3	136.43
S. Coventry Belladonna's Sailor Lad 140919		D. Imp. Lily III. of La Villette 187314 A. R. 25537						
Oaks Farm Gretchen 344902	F	122	June	1236.1	4.22	52.16	5169.0	225.51
†Violet of the Clearing 306433	C	181	June	762.1	5.15	39.25	5317.5	256.28
Warrior's Pride of Upwey 387363	E	259	June	462.2	6.32	29.21	7696.3	406.32
Beebe, C. P., Eastleigh Farms, Framingham Center, Mass.								
†Beauhaven's Janette 386471	D	66	May	1238.3	5.03	62.29		
		96	June	1093.0	4.68	51.15	3691.8	169.22
†Beauhaven's Sunlight 341223	F	246	May	474.2	6.03	28.59		
		276	June	479.0	5.62	26.92	4942.1	258.31
†Governor's Sophie of Ridgeway 163080	A	212	May	990.2	5.69	56.34		
		242	June	939.6	5.73	53.84	8147.0	434.53
†Lakewood Lily 235629	A	83	May	1149.4	4.65	53.45		
		113	June	929.5	4.60	42.76	4116.7	184.19
Mary Evelina of Green Lodge 338020	G	238	May	838.7	5.39	45.21		
		268	June	758.1	5.50	41.70	7773.8	413.13
†Morey Beatrice 283551	A	29	Apr	1173.9	5.04	59.16		
S. Atamannsit Privateer 91464		D. Morey Clare 190937						
Benson, R. Lawrence, Coventry Farm, Princeton, N. J.								
†Coventry Bella Sequel 350744	G	178	June	696.0	5.12	35.64	4976.6	241.04
*Coventry Fanny Glen 262854	A	187	June	1223.8	5.08	62.17	8766.1	440.32
Coventry Fanny Villa 318548	F	365	May	686.6	5.01	34.40	12910.2	549.3
Coventry Honoria Lustre 322062	F	270	June	1007.9	4.83	48.68	10187.0	467.12
Lady Myrtle Coventry 327710	F	308	June	742.2	5.60	41.56	8737.0	453.16
Bickert, J. H., Marydale Farm, Albia, Iowa.								
Boulder Bridge Edna 355248	E	230	May	684.1	5.10	34.89	5802.7	273.92
Boulder Bridge Elona 343596	F	356	May	748.3	5.23	39.14	9146.3	417.15
Boulder Bridge Fern 376881	G	311	May	989.5	4.86	48.09	9879.2	446.41
Marydale Cavalier's Mary 235800	A	125	May	1362.7	4.56	62.14	5522.8	267.50
Bloodgood, Charles A., Loudonville, N. Y.								
Echo Farm Lustre 361157	G	150	June	1129.9	4.73	53.44	5900.4	269.82

Bolton, Chester C., Franchester Farms, South Euclid, Ohio.								
Franchester Babette 315300	E	304	May	661.1	6.12	40.46	8171.2	451.53
Franchester Beam 328011	E	75	Mar	1237.6	4.90	60.64		
		105	Apr	1101.8	4.27	47.05		
		136	May	1140.0	4.61	52.55	5441.8	256.40
Franchester Carol 352413	G	191	May	866.4	4.97	43.06	5453.1	260.12
Franchester Cathrine 336117	G	304	May	794.4	5.30	42.10	7736.2	410.38
Franchester Charity 354701	G	205	May	933.0	5.24	48.89	6355.4	297.58
Franchester Cheer 354698	G	223	May	1107.4	5.13	56.81	8335.9	403.64
Franchester Compliment 279151	C	335	May	981.1	5.00	49.06	11235.0	534.31
Franchester Diana 318218	D	168	May	1168.6	5.06	59.13	6773.9	332.74
Franchester Radiance 354700	G	140	May	986.7	5.20	51.31	4438.5	222.47
Franchester Silvan 318220	D	170	May	1030.7	4.98	51.33	5953.5	312.39
Franchester Solitaire 350839	G	293	May	856.9	5.50	47.13	8128.9	433.41
Franchester Sonata 351879	G	231	May	830.5	6.33	52.57	6258.2	358.15
Franchester Soubrette 310648	D	293	May	965.0	5.60	54.04	9860.8	495.09
Franchester Splendid 350838	G	212	May	822.1	5.00	41.11	6037.4	319.89
Franchester Supreme 318221	E	228	May	1084.1	5.81	62.99	8129.0	406.19
Tina Washington of Rowena 328832	F	365	May	272.5	6.27	17.09	10963.8	526.7
Boulder Bridge Farm Company, Excelsior, Minn.								
Biscoe Beatrice 345962	G	283	May	1042.1	5.58	58.15		
		313	June	1021.2	5.60	57.19	10804.1	545.44
*Boulder Bridge Barbara 244101	A	9	Apr	347.1	4.60	15.97		
		40	May	1268.3	4.60	58.34		
		70	June	1221.4	4.40	53.74	2836.8	128.05
S. Warrior's Ace of Minnewashta 114180 A. R.		D. Tristan's Favorite 99306 A. R. 17029						
*Boulder Bridge Charm 258009	A	233	May	932.3	5.01	46.71		
		263	June	845.1	4.74	40.06	9486.0	479.93
*Boulder Bridge Dairygirl 313466	C	55	Apr	1550.9	4.68	72.58		
		86	May	1554.6	4.07	63.27		
		116	June	1476.7	4.30	63.50	5685.6	262.80
*Boulder Bridge Dairymaid 313465	C	108	May	1292.6	4.81	62.17		
		138	June	1281.2	4.47	57.27	5834.4	273.90
*Boulder Bridge Doris 313461	C	365	May	980.0	4.67	45.77	14051.3	636.7
Boulder Bridge Encore 355245	D	270	May	970.4	4.60	44.64		
		300	June	872.0	4.53	39.50	10822.2	503.92
Boulder Bridge Esther 340050	F	365	May	47.1	6.27	2.95	10475.5	556.3
Boulder Bridge Eva 355249	D	142	May	1190.4	4.44	52.85		
		172	June	1106.2	4.10	45.35	7002.5	284.46
Boulder Bridge Fancy 365595	E	29	May	1131.5	4.45	50.35		
		59	June	1221.4	4.07	49.71	2352.9	100.06
S. Langwater Waldorf 128541 A. R.		D. Danny's Pride of Fern-Dell 195262 A. R. 24945						
Boulder Bridge Favorite 376887	F	9	Apr	235.8	4.23	9.97		
		40	May	947.2	4.23	40.07		
		70	June	885.1	4.79	42.40	2068.1	92.44
S. Langwater Waldorf 128541 A. R.		D. Boulder Bridge Barbara 244101 A. R. 26573						
Boulder Bridge Fille 376884	G	220	May	886.6	4.90	43.44		
		250	June	821.5	4.77	39.19	7814.7	365.32
Boulder Bridge Firefly 365598	E	18	Apr	725.8	3.41	24.75		
		49	May	1274.1	3.41	43.45		
		79	June	1120.0	3.96	44.35	3119.9	112.55
S. Langwater Waldorf 128541 A. R.		D. Florham Sparkles 241980 A. R. 27547						
Boulder Bridge Future 365601	G	184	May	890.6	4.24	37.76		
		214	June	844.9	4.03	34.05	6766.8	281.80
*Butterfat Queen 262899	A	97	May	1524.4	4.82	73.48		
		127	June	1452.7	4.26	61.89	6354.0	305.09
Bradley, Helen Sears, Wolfpen Farm, Southboro, Mass.								
Wolfpen Natoma 345326	G	174	May	971.3	6.33	61.48	5673.5	340.14
Browning, P. W., Moughon Farm, Riverdale, Md.								
Moughon Golden Promise 361290	G	22	Mar	834.7	4.08	34.06		
		52	Apr	1182.5	4.23	50.02		
		83	May	1173.2	5.02	58.89	3190.4	142.97
S. Moughon Rose Laddie 136107		D. Merrymaid of Moughon 126440 A. R. 16833						
Moughon Goldenrod 343154	G	120	May	1222.9	4.38	53.56	4635.7	200.22
Moughon Peace 311413	E	365	May	994.1	5.63	55.97	13165.1	686.1
Moughon Rosemary 356414	G	172	May	1233.9	5.49	67.74	6338.0	357.18
Moughon Rosetta of Old Fields 289197	A	297	May	1023.7	4.67	47.81	11100.0	502.58
Buckley, H. H., Cathedral Farms, Oneonta, N. Y.								
Cathedral Amy 319986	E	22	Apr	1005.3	5.03	50.57		
		53	May	1357.3	4.46	60.54		
		83	June	1122.3	5.24	58.81	3484.9	169.92
S. Saugerties Royal Sequel 159031		D. Cathedral Arabella 263137 A. R. 28955						
Cathedral Beth 345589	G	146	June	1087.4	4.76	51.76	5808.4	272.46
Cathedral Martha 344932	G	273	June	1082.9	5.32	57.61	9792.5	477.97
Cathedral Rhoda's Content 344934	F	146	June	1190.4	5.39	64.16	6143.3	291.49
Cathedral Roxana 315486	E	237	June	1092.2	5.31	58.00	9215.2	466.19
Cathedral Sylvia 344935	G	160	June	1116.7	5.21	58.18	6114.6	311.35
Mabel's Cathedral Sarah 319985	E	30	Apr	1087.6	5.73	62.32		
		61	May	1157.8	4.54	52.56		
		91	June	991.1	5.53	54.81	3236.5	169.69
S. Saugerties Royal Sequel 159031		D. Cathedral Sybil's Mabel 263135 A. R. 28956						
Burden, James A., Est., Woodside Farm, Syosset, N. Y.								
*Model of Woodside 269953	A	145	June	1735.8	4.80	83.32	8587.6	376.60

Scarab of Woodside 348606	F	4	Apr	135.3	4.57	6.18		
		35	May	1124.3	4.57	51.38		
		65	June	941.8	4.56	42.95	2201.4	100.51
S. Keepsake of Woodside 158288	D. Lucinda of Woodside 213282							
Bureau of Dairy Industry, Columbia, S. C.								
Betsey's Cavalier's Emblem 302471	C	174	June	868.6	4.01	34.83	5909.8	275.38
Foremost Emlin of Oakhurst 371979	F	7	May	216.9	3.90	8.46		
		37	June	943.7	3.90	36.80	1160.6	45.26
S. Foremost Brag 101646 A. R.	D. Imp. Mallett's Daisy Maid 105553							
*Hazelwood's Cora 239350	A	134	June	1193.4	5.25	62.65	6175.6	348.06
Holliston's Marzella 349063	G	365	June	169.8	4.93	8.37	10091.2	460.6
Holliston's Pierette 371978	F	338	June	375.0	5.57	20.89	8720.6	434.44
Burroughs, C. F., Bayville Farms, Lynnhaven, Va.								
Arrow Point Farms Golden Rod 311195	D	78	May	1466.9	3.98	58.38	3602.9	148.87
Mobjack Veronica 390757	G	58	Apr	1005.3	4.39	44.13		
		89	May	1012.9	4.31	43.66	2936.8	128.85
Winston Farms Gladine 245416	A	47	Apr	1291.1	4.99	64.43		
		78	May	1280.8	4.81	61.61	3207.9	156.00
Caldwell, R. B., Hazelwood Farms, Chester, S. C.								
Hazelwood's Avis 360401	G	107	June	794.5	4.92	39.09	3085.5	149.06
Hazelwood's Delight 309282	D	323	June	714.4	4.90	35.01	9095.3	419.77
Hazelwood's Viola 312831	D	317	June	805.4	4.89	39.38	10649.7	490.58
Cassatt, E. B., Est., Chesterbrook Farm, Berwyn, Pa.								
†Butterscotch Toddy 347712	G	170	June	675.9	5.50	37.17	4163.6	208.86
*†Kitty Hyacinth 252837	A	242	June	919.3	4.72	43.39	9185.4	401.50
*†Lucy Honor 267252	A	7	Apr	336.3	4.51	15.17		
		38	May	1700.6	4.51	76.70		
		68	June	1634.3	4.10	67.01	3671.2	158.88
S. Brookmead's Prince Daylo 109580 A. R.	D. Lady Honor 157951 A. R. 22506							
*May Butterscotch 229634	A	225	June	1377.7	4.84	66.68	11124.7	547.74
†Milk Punch 340545	G	235	June	557.0	6.30	35.09	4490.1	243.11
*Noble's Toddy 248715	A	221	June	1171.3	5.50	64.42	10260.0	551.68
†Three Star Brandy 336848	G	305	June	359.1	5.99	21.51	5690.3	313.9
†Washington's Butterscotch 342963	G	181	June	603.9	4.96	29.95	4370.9	206.52
†Washington's Flirt 338218	G	262	June	727.1	4.45	32.36	7436.8	342.90
†Washington's Rose 337532	G	305	June	80.0	6.34	5.07	5229.3	256.1
Caumsett Corporation, The, Huntington, N. Y.								
Boulder Bridge Dewdrop 305608	A	114	June	1293.9	4.59	59.39	5112.6	232.37
Caumsett Clara 332591	E	158	June	1294.7	5.26	68.10	7314.7	342.63
Caumsett Farm Belle 292119	C	289	June	903.0	4.17	37.66	12023.2	535.47
Caumsett Gloria 326696	D	114	June	1524.1	4.45	67.82	6183.6	271.93
Caumsett Golden Beatrice 380979	G	119	June	1130.8	5.23	59.14	4778.2	216.52
Caumsett Golden Lily 351215	G	120	May	1094.7	6.22	68.09		
		150	June	973.2	5.93	57.71	5502.6	287.07
Caumsett Ida 342786	F	107	June	1340.6	3.89	52.15	5006.3	211.49
Caumsett Northern Charm 300116	D	365	June	333.5	5.43	18.11	12082.5	596.1
Caumsett Northern Jane 380526	F	92	May	1198.7	5.22	62.57		
		122	June	1022.6	4.78	48.88	4859.4	218.28
Caumsett Northern Springtime 380528	G	87	June	1348.4	4.35	58.66	3972.5	155.51
Central Avenue Dairy, Inc., Phoenix, Ariz.								
Danny's Fern of Evergreen Farm 294627	B	107	June	1229.4	4.33	53.23	4532.8	176.38
Linwood's Sherry 301092	D	287	June	760.8	5.82	44.28	8806.4	452.76
*Maggie of Cornerview 221421	A	365	June	719.6	4.36	31.37	15528.1	710.1
Overseer's Rose of Bdk. 274670	A	107	June	1031.3	5.04	51.98	3866.6	183.28
Chambers, A. H., Maple Lane Farm, Kingston, N. Y.								
Caumsett Bertha 380524	G	309	June	830.1	5.43	45.07	9742.0	530.29
Fair Weather Gardenia 304148	D	141	June	1361.8	4.60	62.64	7030.3	319.76
Fair Weather Gordie 332047	F	107	June	1220.0	4.28	52.22	4419.0	197.39
*Maple Lane May's Lindy Lou 231165	A	212	June	1009.6	4.45	44.93	9088.3	438.35
Maple Lane Monarch's Fashion 341461	G	315	June	1007.9	5.70	57.45	10041.0	590.16
Maple Lane My Lady 295293	D	284	June	927.8	5.12	47.50	11406.3	589.56
Chase, Charles D., Logansport, Ind.								
*Bessie Centaur of Peep o' Dawn 277793	A	46	Apr	1176.5	4.63	54.47		
		77	May	1037.0	4.54	47.08	3005.5	139.57
Dairy Maid's Dorothy Dimple 318179	E	304	Apr	492.3	4.66	22.94		
		335	May	362.1	4.48	16.22		
		365	June	181.8	4.49	8.16	10372.1	393.3
Daisy of Lookwell Farm 336356	F	304	Apr	654.3	3.92	25.65		
		335	May	631.2	3.88	24.49		
		365	June	491.1	4.86	23.87	10418.1	407.6
Cheney, B. Austin, Falcon's Flight Farm, Litchfield, Conn.								
*Falcon's Acacia 284664	B	156	June	1208.9	5.26	63.59	6697.3	336.35
*Falcon's Alice 280968	A	17	Apr	747.7	4.51	33.72		
		48	May	1405.0	4.51	63.37		
		78	June	1313.0	4.80	63.02	3465.7	160.11
S. Ard-Na-Clachan May Royal 115623 A. R.	D. Falcon's Jessie 126291							
Falcon's Baroness 307850	D	276	June	660.6	6.31	41.68	6900.6	404.63
Falcon's Betsy 304553	D	271	June	858.5	5.98	51.34	9621.0	534.95
Falcon's Buttercup 294900	B	159	June	945.6	5.95	56.26	6202.2	358.91
Falcon's Candace 314568	D	134	June	1051.3	6.17	64.87	5545.7	312.41
Falcon's Celissa 313552	C	100	June	1134.6	5.05	57.30	4060.3	196.00
Falcon's Charming 309300	D	186	June	993.3	5.13	50.96	6683.3	336.40
*Falcon's Nonpareil 183870	A	264	June	770.0	5.14	39.58	7758.0	402.47

*Falcon's Quince 188181	A	110	June	1430.1	4.95	70.79	5656.5	275.56
Falcon's Yanina 279038	B	209	May	1061.7	5.32	56.48	8359.3	426.6
Cheney, O. H., Cornwall Hill Farm, Patterson, N. Y.								
Cornwall Hill Marie 395582	G	161	May	787.7	4.85	38.20		
		191	June	711.2	4.64	33.00	5451.5	265.24
*†Fair Weather Nanette 337441	E	53	May	1103.7	5.68	62.69		
		83	June	943.9	4.86	45.87	2790.8	144.46
†Fayroyal's Hemmadine 342154	E.	49	May	1364.2	3.50	47.75		
		79	June	1197.1	4.08	48.84	3323.2	133.92
*†Fayroyal's Hoxie 342150	D	182	May	796.2	5.68	45.22		
		212	June	652.8	6.18	40.34	6674.6	359.18
*†Foremost Hilldene 342153	E	76	May	1338.4	4.59	61.43	3210.3	153.24
†Moorland Clara 329770	E	199	May	779.3	4.81	37.48		
		229	June	662.8	4.80	31.81	6695.3	321.09
†Moorland Dairymaid 326369	E	243	May	842.6	6.09	51.31		
		273	June	788.8	5.75	45.36	8406.2	478.78
†Moorland Katrinka 326374	E	86	May	1006.1	5.11	51.41		
		116	June	658.8	5.37	35.38	3762.8	191.87
†Northshire Donna May 311243	D	273	May	812.3	5.25	42.65		
		303	June	655.5	5.45	35.72	8750.8	416.26
*†Osceola Rose Marie 322333	D	20	May	546.5	5.06	27.65		
		50	June	866.4	5.08	44.01	1412.9	71.66
S. Imp. May Rose Lad V. of the Spurs 146433 A. R.			D. Imp. Rose Marie of Blaye Farm 291714					
†Peach Melba 309226	E	305	May	680.4	5.45	37.08	10187.8	521.2
*†Superb's Honeybelle 342152	E	197	May	825.1	5.76	47.53	7058.9	362.15
†Supreme's Heiress 342149	E	288	May	791.3	5.41	42.81		
		305	June	318.4	5.41	17.23	9567.0	446.5
*Supreme's Hildegarde 342151	D	206	May	1000.0	4.94	49.40		
		236	June	806.3	4.24	34.19	9360.1	426.12
*†Imp. Valongis Marguerite 312800	D	144	May	1182.6	4.61	54.52		
		174	June	1022.5	4.28	43.76	7046.5	302.53
Civil, Otto, Foxdean Farm, Midlothian, Va.								
Winston Farms Beulah 330777	F	180	May	1054.6	4.41	46.51	6318.8	270.61
Winston Farms Bileau 308386	D	221	May	735.2	5.62	41.32	6705.3	323.96
Winston Farms Cleo 341184	G	212	May	906.3	4.40	39.88	6807.9	285.51
Winston Farms Dainty Miss 325327	F	243	May	804.4	4.67	37.57	6739.6	302.63
*Winston Farms Fame 295461	A	119	May	1491.9	4.63	69.07	6123.2	271.83
Winston Farms Nanesta 330781	F	220	May	900.7	4.64	41.79	7300.5	328.46
Winston Farms Natalie 330779	F	197	May	978.5	5.17	50.59	6726.9	319.64
Claffey, M. E., "Arcadian Guernseys," Waukesha, Wis.								
†Arcadian Gemsey 392348	E	30	Apr	786.3	4.99	39.24		
		61	May	941.2	3.90	36.71	1727.5	75.95
S. Sailor Girl's Boy of Long View 96918 A. R.			D. Dairymaid's Daisy Queen 146016 A. R. 24282					
Clark, George P., Horse Shoe Falls Farms, Shannock, R. I.								
Horse Shoe C. Vamp 327286	F	329	May	882.6	4.95	43.69	10042.5	442.16
Horse Shoe Duchess 327288	G	365	May	491.4	5.94	29.19	11058.1	606.8
Horse Shoe Susie 311574	D	11	Feb	438.7	3.84	16.85		
		42	Mar	1580.7	3.84	60.70		
		72	Apr	1492.1	3.72	55.51		
		103	May	1478.7	3.36	49.68	4990.2	182.74
S. Horse Shoe Golden Sunni 125429 A. R.			D. Mixter Golden Susie 166702 A. R. 20280					
Clemson Agricultural College, Clemson College, S. C.								
Marmion's Foremost Dahlia 341332	F	189	June	548.6	4.97	27.27	4345.0	224.92
Marmion's Foremost Damsel 341333	G	224	June	609.0	5.36	32.64	5172.0	271.70
Codington, A. I., River Edge Farms, Millington, N. J.								
†Imp. Carnation of La Mare 248935	A	305	June	13.8	6.12	.84	7080.0	372.5
†Chance Alice 345542	G	297	June	615.4	5.49	33.79	6850.5	346.13
*†Shirley of Wood Homestead 201926	A	4	Mar	90.3	5.42	4.89		
		34	Apr	1073.1	5.42	58.16		
		65	May	1165.6	5.65	65.86		
		95	June	1010.1	5.35	54.04	3339.1	182.95
S. Dawn's Jewel of Flying Hill 85593 A. R.			D. Lassie of Wood Homestead 146022					
Codington, W. R., River Edge Farms, Millington, N. J.								
†Chance Christie 345543	G	136	June	686.6	4.80	32.96	3851.3	171.19
†High Light Mabel 358954	G	71	June	616.1	4.65	28.65	1499.1	69.44
†River-Edge Primrose 315719	C	74	Apr	1176.1	4.30	50.57		
		105	May	1149.5	4.49	51.61		
		135	June	1043.0	4.74	49.44	5051.0	223.12
Colorado Agricultural College, Fort Collins, Colo.								
*College Peggy 296176	D	294	June	135.5	6.43	8.71	6267.8	327.83
Golden Libby 357125	G	20	May	670.9	4.70	31.53		
		50	June	1066.8	4.70	50.14	1737.7	81.67
S. War Cloud 135793 A. R.		D. Ultra Libby 262596 A. R. 26858						
*Little Peggy 323535	D	120	June	787.9	5.70	44.91	3509.6	189.13
*May Amelia 226574	A	218	June	925.5	4.62	42.76	8705.8	407.70
*May Cloud 328103	E	171	June	844.7	5.49	46.37	5385.0	294.60
*Peggy's Mary May 170327	A	2	May	56.6	4.86	2.75		
		32	June	1050.3	4.86	51.04	1106.9	53.79
S. Planet's King of the May 59351 A. R.			D. Evergreen Peggy 107740 A. R. 17092					
*War Cloud's Clara May 304110	C	116	June	1243.4	4.38	54.46	5651.7	235.58
Compton, Lucius B., The Eliada Orphanage Farm, Asheville, N. C.								
Eliada's Amelia 361474	G	82	June	921.5	3.45	31.79	2442.9	86.56
Eliada's Yuletide 356697	G	140	June	941.6	4.03	37.95	4840.3	197.28

Eliada's Zylpha 356696	G	188	June	743.1	4.45	33.07	5674.7	245.61
Rose's Maybelle of Eliada 361472	G	130	June	792.6	4.29	34.00	3686.4	160.09
Connecticut State College, Storrs, Conn.								
*Buoyant Lassie Storrs 171217	A	288	June	832.6	5.38	44.79	10861.8	567.30
Caprice of Brocade Storrs 340388	F	205	June	815.5	5.26	42.90	6190.6	315.34
Jaunty Julia Storrs 313488	C	127	June	1094.0	4.43	48.46	4909.8	210.09
Nanette Bijou Storrs 341449	G	294	June	651.0	5.72	37.24	7316.3	366.79
Seckel Splendent Storrs 313489	D	309	June	712.1	5.85	41.66	8798.1	448.15
Cooper, Tom, Tom Cooper's Farm, Ardmore, Okla.								
April of Edgewood Farm 207763	A	365	May	619.9	5.07	31.43	11565.7	548.1
Cooper's Gift 354389	G	30	Apr	772.0	5.36	41.38		
		61	May	785.6	4.65	36.53	1557.6	77.91
S. Langwater Africander 57121 A. R.		D. April of Edgewood Farm 207763						
Cooper's La Belle 278899	B	268	May	716.5	5.03	36.04	7642.6	365.71
Cooper's Royal Daisy 354387	G	120	May	1050.8	5.11	53.70	4286.9	196.14
*Gayoso Actress 217326	A	326	Apr	1143.5	4.90	56.03		
		357	May	1193.1	5.14	61.33	14981.0	696.29
Ruth Mary Rose of Mills Center 300368	D	259	May	661.7	4.23	27.99	7163.5	317.00
Cornell University, Ithaca, N. Y.								
Mary Elizabeth of Coy Glen 319079	E	155	June	1327.5	4.11	54.56	7325.8	314.86
*Valor's Genneta 314126	C	365	June	381.1	6.43	24.50	12432.5	649.7
Corning, Parker, Corning Farm, Glenmont, N. Y.								
†Corning's Leader's Eugenie 349187	E	106	June	589.0	4.94	29.10	2239.9	112.28
*†Imp. Lady Souvenir of Carteret 278487	A	19	Apr	925.7	4.50	41.66		
		50	May	1572.2	3.94	61.94		
		80	June	1364.2	3.70	50.48	3862.1	154.08
S. Imp. Valentine's Souvenir 126458 A. R.		D. Pulias Rouge R. G. A. S. 5004 F. S.						
Ultra Vixter of Corning Farm 310067	D	224	June	742.4	5.22	38.75	6061.5	302.98
Cotting, C. E., Chedco Farm, Berlin, Mass.								
Chedco Dainty 329299	G	314	May	574.8	6.48	37.25		
		344	June	549.8	7.18	39.48	7098.4	442.79
Chedco Dolly 349174	G	102	May	1033.6	4.82	49.82		
		132	June	974.4	5.40	52.62	4318.2	215.35
Chedco Elise 317353	F	281	Apr	677.0	6.23	42.18		
		312	May	736.9	6.39	47.09		
		342	June	706.5	6.69	47.26	8527.7	499.71
Chedco Fern 328241	F	212	May	751.2	5.90	44.32		
		242	June	729.7	6.19	45.17	6382.5	356.34
Chedco Helen 332352	F	112	May	965.4	5.25	50.68		
		142	June	876.0	5.83	51.07	4361.9	227.56
Chedco Leonora 344604	G	175	May	855.0	5.62	48.05	4873.8	283.26
Chedco Noel 325870	F	314	May	763.3	6.75	51.52		
		344	June	748.0	7.47	55.88	8593.0	562.52
Chedco Sunbeam 344605	G	176	May	855.3	5.66	48.41		
		206	June	806.7	6.00	48.40	5598.0	304.77
Cox, Harry B., Barnegat Ranch, Marysville, Calif.								
*†Amapola of Barnegat 295705	C	122	June	1125.6	4.66	52.45	5238.8	222.67
*†Daphne of Barnegat 301748	E	305	May	19.0	5.16	.98	7981.4	387.7
Godetia of Barnegat 347337	G	180	June	739.9	4.41	32.63	4819.5	220.70
*†Iris of Barnegat 320980	E	137	June	1051.3	4.35	45.73	5508.0	241.38
†Kalmia of Barnegat 340579	G	258	June	600.3	4.60	27.61	5642.2	241.39
†Madia of Barnegat 341169	G	258	June	458.1	5.51	25.24	4759.1	212.36
*†Mahala of Barnegat 294148	C	158	June	579.1	5.30	30.69	3859.2	179.43
Mariana of Barnegat 341650	G	202	June	619.8	4.10	25.41	4575.3	189.63
†Ramona of Barnegat 346388	G	137	June	589.2	4.85	28.58	2964.4	140.32
†Silene of Barnegat 352916	G	118	June	624.6	5.05	31.54	2799.0	131.79
†Veronica of Barnegat 345801	G	108	June	746.0	4.45	33.20	2794.8	123.32
Cullum, J. Barlow, Est., Riveredge Farms, Reading, Pa.								
Crescent Ultra Pride 295960	C	203	June	1210.8	5.91	71.56	9394.6	538.32
Dane, Ernest B., "Longwood," Center Harbor, N. H.								
Roughwood Athalia 377373	G	77	June	1041.2	4.54	47.27	2762.2	107.52
Roughwood Bonnie Lass 315256	E	292	June	845.2	5.80	49.02	9697.0	501.34
Roughwood Cadence 322160	F	365	June	472.0	5.11	24.12	10782.7	519.8
Roughwood Regalia 359225	G	91	June	790.8	4.40	34.80	2692.3	111.54
Davenport, Charles M., Ladderlook Farm, Leyden, Mass.								
*Green Meadow Hopeful 238319	A	185	June	956.5	5.88	56.24	6733.9	359.26
Ladderlook Expectation 295297	C	192	June	927.3	5.00	46.37	7344.8	338.95
Ladderlook Nerissa 283781	B	111	June	1333.3	4.39	58.53	5460.7	250.56
Davison, H. P., Mrs., Locust Valley, N. Y.								
†Grace of Paddocks 343021	G	305	June	361.3	5.40	19.51	8903.2	430.0
*†Ivy Hall Buttercup 313564	C	57	May	1793.6	3.92	70.31		
		87	June	1327.4	4.94	65.57	4438.0	203.05
†Imp. May Day of Mannez 358466	F	215	June	910.7	5.10	46.45	6762.2	333.49
Dean, George E., Est., Haven Hills Farm, Albion, Mich.								
Elm Row Pollyann 369178	C	86	June	1208.3	4.24	51.23	3774.0	173.93
Foam of Longwood 333142	F	182	May	869.5	4.31	37.48		
		212	June	831.8	4.16	34.60	6260.0	285.17
Haven Hills Bessie 395583	G	174	June	1057.8	3.77	39.88	5994.2	247.77
Haven Hills Butter Cup 395584	G	126	May	858.6	4.51	38.72		
		156	June	832.4	4.14	34.46	4520.8	209.60

Haven Hills Countess 325645	E	165	May	956.2	4.33	41.40		
		195	June	962.4	4.23	40.71	6623.9	287.30
Haven Hills Eunice 325662	E	242	June	599.0	4.06	24.32	6584.1	304.84
Haven Hills Sunshine 346850	G	170	June	726.4	4.13	30.00	4304.0	184.09
Dean, George E., Mrs., Haven Hills Farm, Albion, Mich.								
Rosemont Gertrude 274028	A	263	June	856.0	3.70	31.67	10256.5	424.31
De Normandie, Robert L., Lincoln, Mass.								
Bet's Joan of High Hill 327193	F	301	June	797.2	5.57	44.40	8172.7	452.93
Fairview Home Blondy 352568	F	99	June	1156.6	4.54	52.51	3714.7	163.68
Haramela Foremost Rena 372743	G	272	June	680.1	5.01	34.07	6377.0	312.49
Haramela Foremost Reta 373533	G	300	June	727.9	5.68	41.34	7234.3	405.83
Lincoln Daisy 349901	G	237	May	766.4	5.66	43.38		
		267	June	562.5	5.74	32.29	6619.5	307.56
Lincoln Plaything 331047	D	8	Apr	389.8	4.57	17.81		
		38	May	1654.3	4.57	75.60		
		69	June	1434.3	4.92	70.57	3478.4	163.98
S. Lincoln Imp 155876	D. Playmate of the Gateways 193394 A. R. 30796							
Noble Betsey of Lincoln 349073	G	171	June	762.5	5.70	43.46	4682.9	263.19
Dickinson, John L., Quincy Dairy Company, Charleston, W. Va.								
Mavelyn of Hilldene 361515	G	23	Apr	946.7	3.85	36.45		
		54	May	1462.3	3.85	56.30	2409.0	92.75
S. Chestnutwold Ultra Beacon 136110 A. R.	D. Maida of Hilldene 164459							
Mill Dale Vesta 267497	A	199	May	840.7	4.43	37.24	7145.0	315.84
Quincy Dorcas 281732	A	131	May	1527.4	4.03	61.55	6766.9	284.21
Quincy Gladys 397414	F	212	May	991.7	4.80	47.60	7114.8	340.61
Quincy Josephine 399217	G	176	May	1202.0	4.33	52.05	7094.4	305.79
Douglas, Elizabeth, Spring Farm, Tilly Foster, N. Y.								
†Imp. Golden Queen of Clovelly 358468	G	224	June	815.9	4.65	37.94	6133.0	286.22
†Imp. Joan of Chateau L'Etocq 304488	A	14	May	639.3	5.33	34.07		
		44	June	1461.6	4.06	59.34	2100.9	93.41
S. Kitty's Prince of Old Mill R. A. A. S. 301 P. S. A. R.	D. Malinda III. of Chateau L'Etocq R. A. A. S. 2714 P. S.							
†Imp. Lady Rosebud of the Hubits 304498	A	232	June	684.8	5.55	38.01	5740.4	341.39
*Imp. Peachy of Tamworth 263645	A	316	June	862.5	4.20	36.23	9448.8	419.41
†Stadacona Dawn 343102	F	108	May	837.9	5.15	43.15	2823.2	145.23
†Stadacona Daybreak 331819	G	289	May	926.4	4.76	44.10		
		305	June	504.3	4.76	24.00	9688.5	453.1
†Stadacona Delia 177850	A	83	June	1186.6	4.21	49.96	3309.8	137.37
Stadacona Doreen 329477	G	318	May	779.8	5.34	41.64		
		348	June	725.3	5.42	39.31	7920.4	440.27
†Stadacona Joan 331818	G	302	May	607.7	5.13	31.18		
		305	June	58.5	5.13	3.00	6298.4	303.7
*Stadacona Moss Rose 221280	A	294	May	858.4	4.83	41.46		
		324	June	756.6	5.30	40.10	10296.5	509.79
†Stadacona Red Rose 350474	G	83	May	990.6	4.54	44.97		
		113	June	840.2	5.19	43.61	3676.5	175.82
†Stadacona Rosebud 350770	G	113	May	911.8	5.48	49.97		
		143	June	897.8	6.28	56.38	4253.3	232.47
Dozier, J. M., Oakland Farm, Lee Hall, Va.								
Jomado's Daisy 2d 240811	A	310	June	579.1	5.33	30.87	7329.5	368.09
Dreyfus, Max, Madrey Farm, Brewster, N. Y.								
Madrey Farm Viola 361321	G	75	June	1044.2	4.59	47.93	2577.4	116.00
du Pont, Pierre S., Longwood Farms, Kennett Square, Pa.								
Crown's Edith of Longwood 312630	E	267	June	386.2	4.99	19.27	6124.3	296.08
Crown's Elgar 312632	E	223	June	709.0	4.50	31.91	5936.6	291.03
Fay of Longwood 349957	G	150	June	906.9	3.73	33.83	4708.8	188.61
Fern of Longwood 336980	G	359	June	165.9	6.25	10.37	8104.7	439.36
Longwood Fairy 336981	G	317	June	767.4	4.59	35.22	9061.0	412.28
Longwood Faith 330007	G	365	June	160.1	6.73	10.77	7709.6	477.4
Longwood Favorite 345759	G	212	June	758.6	4.69	35.58	5897.9	278.18
Longwood Flirt 349955	G	193	June	844.1	5.00	42.21	5624.7	290.82
Longwood Fuchsia 336979	G	273	June	626.4	5.14	32.20	7181.7	333.10
Longwood Gaily 353854	G	139	June	679.0	5.51	37.41	3919.6	188.39
Longwood Garnet 353857	G	22	Apr	669.0	3.84	25.69		
		53	May	962.8	4.07	39.19		
		83	June	849.2	4.13	35.07	2481.0	99.95
S. Langwater Galore 175062	D. Longwood Publican's Benefactress 239746 A. R. 26949							
Longwood Roamer's Caroline 258521	A	329	June	682.6	4.71	32.15	9275.5	425.43
*Preen 3d's Buttercup 198419	A	223	June	758.4	4.57	34.66	7296.2	339.60
*Publican's Bluebelle of Longwood 227100	A	276	June	514.3	4.38	22.53	8458.3	357.02
Publican's Evelin 320500	E	298	June	625.2	4.74	29.63	7255.2	354.53
*Roamer's Daphne 288038	C	150	June	833.5	4.57	38.09	5275.0	231.04
Eberlein, F. A. & M. G., Wildwood Farm, Shawano, Wis.								
Buttercup's Queen of Wildwood 291843	C	232	May	685.4	6.24	42.77	6238.5	385.72
Girlie's Louette 205941	A	314	May	679.7	4.89	33.24	10321.1	474.34
Regent's Buttercup of Red River 214235	A	118	May	1284.6	4.10	52.67	5220.7	230.91
Eberlein, M. G., Wildwood Farm, Shawano, Wis.								
Ann's Doris of Wildwood 280055	B	224	May	737.6	5.77	42.56	6041.6	375.54
Blossom's Julia of Wildwood 352680	F	92	May	1399.2	4.56	63.80	3916.0	180.10
Bo Peep's Sarah of Wildwood 245009	A	349	May	754.1	4.73	35.67	10388.8	491.69
Clarice's Blossom of Wildwood 252536	A	320	May	806.0	5.40	43.52	10181.8	533.73
Dorothy's Pansy of Wildwood 313067	C	115	May	943.7	4.56	43.03	4275.6	199.78
Goldenly's Ann of Wildwood 2d 205942	A	171	May	1072.5	5.08	54.48	6362.2	307.42

La Verna of Wildwood 278352	A	199	May	870.8	5.42	47.20	6611.6	365.04
Pansy's Dorothy of Wildwood 245008	A	113	May	1473.0	4.50	66.29	5792.5	266.51
Tess of Wildwood 2d's Sue 280058	B	286	May	878.6	5.98	52.54	8890.4	531.49
Eby, Mervin, Lookwell Farm, Wakarusa, Ind.								
Duplicate's Dawn of L. F. 356226	G	212	June	899.0	4.77	42.88	6828.3	312.95
Duplicate's Fawn of L. F. 361678	G	91	June	867.0	4.93	42.74	2767.7	128.98
Duplicate's Flossie of L. F. 356228	G	120	May	1102.4	4.44	48.95		
		150	June	1050.4	4.34	45.59	5520.5	240.02
Eva of Lookwell Farm 348722	G	252	June	1157.3	4.33	50.11	9995.9	414.86
Ellis, Theodore T., Est., "Knollwood," Worcester, Mass.								
Green Meadow Sylvia 367109	F	46	Dec	1352.5	4.60	62.22		
		77	Jan	1335.9	5.30	70.80		
		105	Feb	1127.9	5.33	60.12		
		136	Mar	1295.7	5.65	73.21		
		166	Apr	1165.9	5.99	69.84		
		197	May	1214.1	5.67	68.84	8179.6	432.53
Hilltop Annabelle 352965	G	20	Dec	667.4	5.53	36.91		
		51	Jan	983.1	6.27	61.64		
		79	Feb	793.8	6.76	53.66		
		110	Mar	921.0	6.64	61.15		
		140	Apr	901.7	6.41	57.80		
		171	May	873.5	6.16	53.81		
		201	June	297.3	6.16	18.31	5437.8	343.28
S. Hilltop Fashion Que Vive 167741	D. Hilltop Teddy R.'s Annabelle 262898							
Juliette of Knolland 355511	G	10	Nov	272.2	4.51	12.28		
		41	Dec	956.2	5.00	47.81		
		72	Jan	966.9	5.72	55.31		
		100	Feb	857.2	5.69	48.77		
		131	Mar	961.6	5.55	53.37		
		161	Apr	909.8	6.11	55.59		
		192	May	909.7	5.77	52.49	5833.6	325.62
S. Langwater Highlander 100892 A. R.	D. Laudholm Lady Pat 174486 A. R. 23993							
Pioneer's France 341389	F	84	Dec	1133.8	4.93	55.90		
		115	Jan	1104.7	5.51	60.87		
		143	Feb	992.9	5.25	52.13		
		174	Mar	1054.6	5.60	59.06		
		204	Apr	1084.8	5.58	60.53		
		235	May	1062.1	5.61	59.58	8288.2	433.79
Emerson, Anne P., Brooklandwood Farms, Brooklandville, Md.								
*Brooklandwood Floss Pearl 222948	A	365	May	498.3	4.76	23.72	11238.0	516.6
*Brooklandwood Golden Pearl 285071	D	356	May	974.1	4.99	48.61		
		365	June	277.7	4.99	13.86	12324.9	595.6
*Brooklandwood May Time 222946	A	365	May	186.2	5.33	9.92	11850.3	605.1
Challenger's Clarissa 342819	F	90	May	933.9	4.77	44.55	2836.8	122.52
Love's Bonnie Girl 334792	F	283	May	748.7	4.93	36.91		
		313	June	703.9	4.67	32.87	7266.4	353.99
Marvel's May Queen 332336	F	365	May	734.7	4.50	33.06	9377.4	448.7
*Select's Gay Lady 279890	B	184	Apr	883.0	5.81	51.30		
		215	May	921.6	5.42	49.95		
		245	June	808.9	5.18	41.90	7798.5	393.49
*Select's Pearl 278752	B	129	Apr	1024.7	4.72	48.37		
		160	May	1106.7	4.26	47.15		
		190	June	1033.7	4.26	44.04	6583.5	294.08
*Select's Polly 305241	D	267	May	898.1	5.11	45.89		
		297	June	830.7	4.96	41.20	8823.5	432.41
Select's Queen Anne 342814	F	110	May	889.1	5.26	46.77		
		140	June	781.1	6.02	47.02	3871.2	210.21
Select's Rio Rita 339348	G	327	May	859.3	4.60	39.53		
		357	June	717.5	5.09	36.52	9846.6	439.01
Select's Rosebud 348927	F	19	Mar	555.8	4.23	23.51		
		49	Apr	848.5	4.56	38.69		
		80	May	916.8	4.51	41.35		
		110	June	821.3	4.66	38.27	3142.4	141.82
S. Beechwood Prince Select 130365 A. R.	D. Love's Sweet Rose 251079 A. R. 28009							
Erf, William, Chestnut Ridge Farm, Bellevue, Ohio.								
†Chestnut Ridge Betty Jean 397216	G	202	May	854.9	5.12	43.77	5431.8	258.40
†Chestnut Ridge Cherub's Donna 353437	G	140	May	638.2	5.20	33.19	2862.0	144.43
†Chestnut Ridge Phoebe 351467	G	179	Apr	154.4	5.19	8.01	3617.1	184.90
*Chestnut Ridge Princess Bim 258706	A	18	Apr	808.7	4.50	36.39		
		49	May	1540.5	4.50	69.32	2349.2	105.71
S. Hepatica's Warrior 71878 A. R.	D. Princess Betty of Chestnut Ridge 98750 A. R. 12290							
†Chestnut Ridge Princess Mary 353436	G	157	Apr	186.9	5.25	9.81	3651.4	182.70
†Chestnut Ridge Trixie's Treva 353438	G	203	May	658.1	4.80	31.59	4511.2	217.40
Fales, W. D., Riverside Ranch, Gooding, Idaho.								
*†Daisy of Silver Maple Farm 242800	A	92	May	1884.0	3.95	74.42	5742.9	218.22
*†Elizabeth of Riverside Ranch 251057	A	89	Apr	1389.0	3.40	47.23		
		120	May	1248.9	3.37	42.09	5768.6	250.22
†Toponis Dina 361497	G	3	Apr	94.5	4.71	4.45		
		34	May	1252.1	4.71	58.97	1346.6	63.42
S. Idagem Honour's Judge 197974	D. Elizabeth of Riverside Ranch 251057 A. R. 30990							
Toponis Pride 319866	E	216	May	1284.7	4.43	56.91	9694.8	455.78
Fleischmann, Julius, Winding Creek Farm, Blue Ash, Ohio.								
†Fabulous Lass of Winding Creek 304015	C	28	Apr	863.3	5.13	44.29		
		59	May	971.3	4.54	44.10		
		89	June	900.5	4.56	41.06	2735.1	129.45

S. Aiyukpa K. Laddie 136632	D. Fable of Winding Creek Farm 199382 A. R. 27702							
†Filmlight of Winding Creek 325669	E	116	June	898.1	4.77	42.84	3688.2	168.96
*†Flippity Flop of Winding Creek Farm 240305	A	23	Apr	962.1	4.46	42.91		
		54	May	1656.9	3.79	62.80		
		84	June	1602.9	3.94	63.15	4221.9	168.86
S. Vaillant's Bellringer of Elgercon 83451 A. R.	D. Middle Neck Maid 189256							
†Leading Light of Winding Creek 342923	E	122	June	1016.7	4.48	45.55	4177.5	180.26
Lunar Light of Winding Creek 342926	F	150	June	972.4	5.12	49.79	4981.2	272.01
Fleming, M. C., Portland, Oregon.								
*Della of Delphi Dell 255020	A	202	May	1089.4	5.05	55.01	8622.0	438.47
Flinn, Ralph E., Beechwood Farms, Sharpsburg, Pa.								
Beechwood Princess Claire 223528	A	249	June	1047.9	4.72	49.46	11246.3	526.96
*Beechwood Ralina 291397	B	230	June	856.5	5.67	48.56	7708.1	416.17
Beechwood Rayon 326803	D	106	June	1142.7	4.51	51.54	4181.5	183.23
Hartwood Nymph 282586	A	19	Apr	875.4	6.07	53.14		
		50	May	1502.3	5.31	79.77		
		80	June	1375.0	4.91	67.51	3752.7	200.42
S. Langwater Royal 24th 63967 A. R.	D. Beechwood Princess Lena 182384 A. R. 21268							
Hartwood Princess 292184	C	228	June	896.5	5.38	48.23	7583.2	410.55
Royal's Dawn of Locust Dale 228873	A	273	June	1067.2	5.90	62.96	10328.1	541.94
*Royal's Golden Blossom of Maple Grove 232274	A	116	May	1508.2	5.62	84.76		
		146	June	1317.6	5.30	69.83	7098.0	352.33
Fort Dodge Creamery Company, Rosedale Farm, Fort Dodge, Iowa.								
Rosedale Bertha 276106	A	146	May	1350.1	4.93	66.56		
		176	June	1173.1	4.97	58.30	8729.3	452.26
Rosedale Comfort 296081	C	161	May	1175.3	4.66	54.77		
		191	June	1025.1	4.98	51.05	7682.2	367.18
Rosedale Elissa 353764	G	15	Apr	517.5	4.57	23.65		
		46	May	1359.2	4.57	62.12		
		76	June	1261.6	3.79	47.81	3138.3	133.58
S. Governor of Rosedale 130855	D. Avondale's Bella 170879 A. R. 24897							
Rosedale Erlah 353763	G	189	May	1053.5	3.86	40.67		
		219	June	1007.7	4.01	40.41	7799.8	302.08
Rosedale Eugenia 353766	G	117	May	1484.3	3.99	59.22		
		147	June	1320.4	4.17	55.06	6592.3	267.71
Rosedale Faith 375116	G	23	Mar	708.5	4.87	34.50		
		53	Apr	1166.1	4.87	56.79		
		84	May	1135.3	4.23	48.02		
		114	June	1046.1	5.00	52.31	4056.0	191.62
S. Governor of Rosedale 130855	D. Rosedale Agate 220209 A. R. 29455							
Fox, F. E. Waukesha, Wis.								
Adelaide's Gem of Waukesha 275953	A	172	June	1079.1	4.49	48.45	6896.8	300.98
*Bitter Sweet of Giant Spring Farm 235277	A	365	June	86.8	4.41	3.83	10242.9	447.4
Bonelcho's Jennie of Denmark 343287	E	29	May	1151.6	5.00	57.58		
		59	June	1070.1	4.91	52.54	2221.7	110.12
S. Luxerin Bonelcho 93656 A. R.	D. Douglas's Jennie of Denmark 167950							
Bonelcho's Jewel of Denmark 343288	F	181	June	683.7	4.30	29.40	4889.5	208.79
Bonelcho's Katie of Denmark 344531	E	265	June	866.5	5.80	50.26	8901.4	451.68
Bonelcho's Lady of Denmark 344533	G	246	June	878.5	5.21	45.77	8283.3	398.88
Bonelcho's Nelly of Denmark 343283	D	25	May	1165.9	3.49	40.69		
		55	June	1329.5	4.13	54.91	2495.4	95.60
S. Luxerin Bonelcho 93656 A. R.	D. Reputation's Nelly 75758							
Dot's May Queen of Waukesha 302266	A	226	June	942.2	4.51	42.49	8223.0	362.05
Jewel of the Horse-Shoe Farm 305488	C	17	May	559.2	3.99	22.31		
S. Linwood's Invincible 153196	D. Fena of the Horse-Shoe Farm 144581 A. R. 17686							
*Knight's La Bell of Arlymear 217370	A	239	June	1060.8	4.22	44.77	9945.6	400.48
Koehn's Farm Wava 294717	C	236	June	694.0	5.72	39.70	6804.4	363.49
*Maple's Hopeful of Waukesha 271192	A	358	June	512.5	6.15	31.52	9539.2	528.69
*Maxim's Fawn of The Birches 248079	A	29	May	1374.0	4.34	59.63		
		59	June	1471.4	3.99	58.71	2845.4	118.34
S. Bernadine's Maxim of Sherwood Farm 104713	D. Lady Vivienne of Sherwood Farm 163391							
*Pet's Lassie of Maple View 200948	A	13	May	480.8	4.01	19.28		
		43	June	1304.3	4.01	52.30	1785.1	71.58
S. Rex of Mapleview 79614	D. Florence's Pet of Pewaukee 130215							
*Serene's Arabella of Waukesha 256724	A	358	June	624.1	5.47	34.14	9830.7	499.00
*Sunshine's Amelia of Waukesha 256725	A	150	June	1241.1	4.47	55.48	7061.6	300.43
France, Joseph I., Mount Ararat Farm, Port Deposit, Md.								
B. Rose King's Rosebud 331879	G	272	May	511.9	5.96	30.51		
		302	June	477.4	5.80	27.69	5745.4	325.16
Cherub's Midday Gloria 331878	F	243	May	745.2	4.80	35.77		
		273	June	703.6	5.11	35.95	7073.6	325.32
†Cherub's Patient Rosalie 360114	G	10	Feb	286.9	4.17	11.96		
		41	Mar	992.0	4.17	41.37		
		71	Apr	963.6	4.52	43.55		
		102	May	895.8	4.89	43.80		
		132	June	844.2	4.47	37.74	3982.5	178.42
S. Cherub's Royal Challenger of Shorewood 97614 A. R.	D. Rosalie of Green Gables 198428 A. R. 26119							
*Cosquay Flora 2d 230506	A	346	May	519.6	5.34	27.75	9681.3	504.63
*Cosquay's Royal Maid 208594	A	292	May	683.2	5.43	37.10		
		322	June	666.9	5.91	39.41	9629.0	520.88
Jewell of Springvale 267603	C	365	May	342.3	5.20	17.80	10485.4	507.6
†Monsieur's Royal Rose 289643	B	120	May	999.1	4.72	47.16		
		150	June	886.0	4.94	43.77	5110.1	255.83
Princess of Springvale 265963	B	348	May	721.0	4.87	35.11		
		365	June	383.4	5.04	19.32	10009.8	471.0

†Procris' Pride Lady 352054	G	212	May	661.7	4.62	30.57		
		242	June	653.8	4.75	31.06	5426.0	243.21
Friedrichs Brothers, Western Glow Farm, Bow, Wash.								
*†Blossom of Rosendale Farm 226296	A	31	Mar	1255.9	4.87	61.16		
		61	Apr	1284.7	4.05	52.03	2540.6	113.19
S. Pandora's Billie Mack 111835 A. R.	D. Dewdrop of Rosendale Farm 149948							
†Hope's Reddy of Clallam County 341503	E	19	Apr	1107.9	4.26	47.20		
		50	May	1816.6	4.26	77.39	2924.5	124.59
S. Duke of Blue Mountain 108484	D. Red Rose's Hope 164982							
†Lena Girl of Mountain View 199725	A	204	May	1066.1	5.75	61.30	7810.5	441.52
†Luma of Bass Farms 350975	C	206	May	1145.8	4.99	57.18	8201.5	369.11
†Posy Blossom of Whidby Island 337707	F	305	May	75.7	5.00	3.79	7872.5	426.6
†Shamrock's Queen of Zepol 335987	F	141	May	1024.1	5.48	56.12	5260.0	265.68
†Shop Girl of Chicona 285155	C	305	May	71.3	4.94	3.52	10243.9	475.6
Gammeltoft, Peter, Fir Ridge Guernsey Farm, Roy, Wash.								
Fir Ridge Alice 365772	B	14	Feb	632.3	4.23	26.75		
		45	Mar	1523.8	4.36	66.44		
		75	Apr	1407.5	4.72	66.43		
		106	May	1342.2	4.52	60.67		
		136	June	1202.9	4.92	59.18	6108.7	279.47
S. Coventry Ulysses 85093 A. R.	D. Electa of Rainier View 129365							
Lillybud of Fir Ridge 286179	C	168	Apr	1141.8	5.01	57.20		
		199	May	1130.3	5.21	58.89		
		229	June	972.1	5.28	51.33	9386.4	455.06
*Ruth's Tena of Fir Ridge 181488	A	21	Feb	1082.2	4.10	44.37		
		52	Mar	1714.8	4.17	71.51		
		82	Apr	1578.4	4.40	69.45		
		113	May	1527.9	4.27	65.24	5903.3	250.57
S. Coventry Ulysses 85093 A. R.	D. Delora's Ruth H. 111931 A. R. 16541							
Gaylord, E. K., Gaylord Guernsey Farms, Oklahoma City, Okla.								
*Bess Indian Maid 313876	D	133	May	1159.1	5.80	67.23		
		163	June	1089.5	5.09	55.46	6795.1	326.08
Gaylord's Buttercup 353995	G	196	May	843.2	5.03	42.41		
		226	June	850.2	4.97	42.25	6835.1	292.75
Gaylord's Jane 350202	F	8	Mar	252.3	4.85	12.24		
		38	Apr	1048.2	4.85	50.84		
		69	May	1069.1	4.93	52.71		
		99	June	965.2	4.95	47.78	3334.8	163.57
S. Gayhead's Khasib 164483	D. Lady Jane of Hon Terra 262307							
Gaylord's Julee 353994	G	135	May	770.6	4.73	36.45		
		165	June	748.7	4.73	35.41	4476.7	188.84
Gaylord's Perfection 353998	G	106	May	1086.0	4.50	48.87		
		136	June	1055.7	5.17	54.58	4877.9	223.92
Gaylord's Pet 335734	F	205	May	882.1	4.30	37.93		
		235	June	910.4	4.40	40.06	7097.5	314.08
Gaylord's Sweet Marie 363961	G	30	May	985.6	4.10	40.41		
		60	June	1033.5	4.10	42.37	2019.1	82.78
S. Bessie's Little Foremost 113044	D. Radium's Best Girl 203164 A. R. 22039							
Lady Jane of Hon Terra 262307	A	315	May	674.3	6.37	42.95		
		345	June	696.6	6.00	41.80	9849.0	542.47
Model's Beatrice of Fairview 336200	D	180	May	606.8	5.62	34.10		
		210	June	572.3	5.44	31.13	5551.1	284.65
Model's Pet Rose of Fairview 307624	D	265	May	821.8	4.46	36.65		
		295	June	801.4	4.54	36.38	9117.8	388.28
Princess Ann of Hon Terra 267585	A	352	May	821.4	4.83	39.67		
		365	June	357.5	4.97	17.77	11587.8	518.4
*Ultra Pride of Hon Terra 235905	A	161	May	1212.3	4.57	55.40		
		191	June	1141.0	4.70	53.63	8560.0	401.42
Gile, Albion L., Chicona Farm, Chinook, Wash.								
Bonnibelle of Chicona 344288	G	302	May	767.3	5.19	39.82	8529.3	421.67
†Chrysa of Chicona 403320	G	113	May	875.0	4.80	42.00	3193.2	144.28
†Darthea of Chicona 268742	B	305	May	159.2	4.80	7.64	9075.0	468.9
†Honoria of Chicona 318203	D	115	May	1084.8	4.93	53.48	4348.2	212.53
†La Charmante of Chicona 309731	C	133	May	1435.0	4.60	66.01	6974.8	296.95
†Lucy Mae of Chicona 346728	G	216	May	672.2	5.03	33.81	5254.1	256.71
Glanville, F. J. & Nelson, Ben C., Liberty Farm, Lancaster, Wis.								
Liberty's Arlene 316018	D	171	May	927.7	5.17	47.96	6453.2	293.65
Liberty's Irene 277481	B	212	May	855.2	4.58	39.17	7827.4	362.09
Liberty's Rose Bud 256610	A	254	May	731.3	4.75	34.74	7725.2	377.86
Liberty's Snowball 287774	A	13	Mar	380.4	4.76	18.11		
		43	Apr	1005.0	4.76	47.84		
		74	May	974.0	4.87	47.43	2359.4	113.38
S. The Czar of Liberty 136171	D. Bonny of Liberty 199825							
Gluek, Arthur L., Minneapolis, Minn.								
†Larualea May-Flower 376041	D	119	May	882.2	5.62	49.58	4059.8	196.64
Gluek Brewing Company, Minneapolis, Minn.								
Gluek Bootes Rose 337069	G	365	May	669.2	6.44	43.10	9373.6	519.8
Gluek Farm Arabelle 376043	E	237	May	1172.1	5.01	58.72	8233.0	432.99
†Gluek Farm Coronet 407047	G	61	May	1126.6	5.16	58.13	2273.3	111.57
†Gluek Farm Jennie Marie 366066	G	55	May	1201.8	3.77	45.31	2034.5	75.37
Gluek Farm Leading Lady 376044	E	99	May	1245.4	3.84	47.82	4062.0	164.23
*Marietta of Gluek Farms 292554	A	216	May	1349.1	4.24	57.20	10849.1	478.02
*Shorewood Bettina 279806	A	61	May	1694.8	4.50	76.27	3259.7	156.08

Hach, Stuart J., Waltona Farm, Medina, Ohio.

†Dandelion of Waltona 399399	G	117	Apr	697.1	5.14	35.83		
		148	May	734.3	5.61	41.19	3732.9	195.43

Hach, Walter F., Mr. & Mrs., Waltona Farm, Medina, Ohio.

†Belladonna of Waltona 294759	C	183	May	726.8	5.99	43.54	5060.1	302.07
†Bergamot of Waltona 294758	B	8	Feb	321.6	5.90	18.97		
		39	Mar	1162.1	5.90	68.56		
		69	Apr	1118.2	5.30	59.26	2601.9	146.79
s. King Strongheart of Elgercon 116270 A. R.		D. Fancy of Village Farm 99623 A. R. 19205						
*†Effie of Waltona 199007	A	30	Mar	1237.6	5.65	69.92		
s. Search Light's May King Laddie 97255 A. R.		D. Fleurie's Lucia of Elgercon 156935						
†Fancy of Waltona 395945	F	243	May	722.5	6.00	43.35	6058.2	321.67
†Fleurie's Lucia of Elgercon 156935	A	10	Apr	387.3	5.99	23.20		
		41	May	1563.1	5.99	93.63	1950.4	116.83
s. Upland's Vaillant 57173 A. R.		D. Fleurie of Elgercon 124283						
†Fuchsia of Waltona 378723	E	119	May	1116.9	4.87	54.39	4384.9	209.97
†Queen of Waltona 196359	A	158	May	1189.2	5.44	64.69	6554.0	329.44
†Thanbergia of Waltona 407977	F	9	Feb	238.8	5.20	12.42		
		40	Mar	882.0	5.20	45.86		
		70	Apr	793.1	5.10	40.45		
		101	May	816.3	5.24	42.77	2730.2	141.50
s. King Strongheart of Elgercon 116270 A. R.		D. Pennyroyal of Waltona 265227						
Trillium of Waltona 282884	B	212	May	857.9	6.35	54.48	6420.7	376.01
†Violet of Waltona 282885	A	10	Mar	402.2	5.10	20.51		
		40	Apr	1178.6	5.10	60.11		
		71	May	1127.2	4.90	55.23	2708.0	135.85
s. Search Light's May King Laddie 97255 A. R.		D. Buttercup of Pleasant Valley 136836						
†Wisteria of Waltona 397934	F	206	May	793.3	5.25	41.65	5554.5	264.81

Hall, J. Elliott, Vallevue Farm, Morristown, N. J.

Audley's Faithful 355442	F	75	June	1051.2	4.67	49.09	2710.1	116.70
*Audley's Patricia 326032	E	88	June	1238.8	4.06	50.30	3953.0	166.25
*Coventry Fanny Winnie 249781	A	240	June	1059.8	4.23	44.83	9412.7	430.61
*Royal Princess Pat 243844	A	91	June	1285.6	4.52	58.11	4247.1	192.65
Imp. Ruby V. of Tamworth 332685	C	104	June	1180.7	4.47	52.78	4097.0	180.61

Hamilton, F. P., "Kilspindie," South Coventry, Conn.

Annette Amiable Storrs 273273	B	364	Apr	133.4	4.77	6.36		
		365	May	36.0	4.77	1.72	7764.5	411.5
Hilltop Que Vive Buttermaid 301633	C	117	June	1322.0	5.05	66.76	5471.7	264.68
Princess Ina of Kilspindie 350152	G	110	June	1020.2	5.74	58.56	3918.1	198.53
Ramona of Kilspindie 320191	E	272	May	792.5	5.44	43.11		
		302	June	754.7	5.54	41.81	8994.4	482.72

Hammond, John Henry, Dellwood Farm, Mount Kisco, N. Y.

Cherub's Fair Lady of Dellwood 335073	E	61	June	1277.2	4.76	60.79	2538.4	115.40
*Countess' Dairy Maid of Dellwood 224263	A	127	June	1425.6	4.28	61.02	6383.5	275.97
Noble's Rose of Dellwood 354482	G	150	June	1040.9	4.25	44.24	5664.4	245.99
Planet's Antonita of Dellwood 292755	B	122	June	1376.1	3.92	53.94	6437.0	270.45
Planet's Olga of Dellwood 282582	A	150	June	1260.4	5.22	65.79	7165.9	368.76

Hang, John V., Meadow Brook Farm, Canton, Ohio.

Rajah's Rose 310838	D	228	June	990.7	5.21	51.62	9414.6	459.33
†Rose Sunnyside of Locust View 252123	A	181	June	924.7	5.57	51.51	7105.3	374.69
Warrior's May Joy 404679	G	118	June	767.1	4.92	37.74	3337.5	160.65

Hart & Gammeltoft, Fir Ridge Guernsey Farm, Roy, Wash.

Daphne of Rainier View 256547	A	271	Apr	950.4	4.59	43.62		
		302	May	920.2	4.88	44.91		
		332	June	807.6	4.69	37.88	11461.7	534.00
Fir Ridge Gail 349646	E	151	Apr	852.6	4.71	40.16		
		182	May	877.9	4.73	41.52		
		212	June	815.8	4.94	40.30	6718.3	314.15
Fir Ridge Helga 351867	G	148	Apr	813.9	5.32	43.30		
		179	May	819.7	4.80	39.35		
		209	June	740.3	5.25	38.87	5908.3	287.63
Marna's Helen of Fir Ridge 256849	A	169	Apr	1213.7	4.72	57.29		
		200	May	1131.1	4.86	54.97		
		230	June	1029.4	4.71	48.48	9613.7	457.92
Martha of Fir Ridge 324856	E	212	Apr	949.9	4.53	43.03		
		243	May	911.8	4.59	41.85		
		273	June	837.7	4.82	40.38	8963.7	408.17
Mitzie of Rainier View 185100	A	212	Apr	1246.2	4.37	54.46		
		243	May	1196.9	4.52	54.10		
		273	June	1068.5	4.46	47.66	11727.7	527.82
Valentine of Fir Ridge 290797	B	125	Apr	799.5	5.82	46.53		
		156	May	735.5	5.65	41.56		
		186	June	609.1	5.62	34.23	6009.2	312.64

Hart, George L., Monroe, N. C.

†Queen of Hart's Beauty 221088	A	31	Mar	890.7	4.65	41.42		
		61	Apr	1013.4	5.11	51.78		
		92	May	1054.6	4.85	51.15		
		122	June	960.4	5.16	49.56	3919.1	193.91
s. Sundari's Noble 58387		D. Hart's Beauty of Monroe 153162						
Sundari's Princess's Daisy 314680	E	345	May	1128.7	4.96	55.98		
		365	June	715.4	5.24	37.49	8855.0	466.6

Hart, George L., Mrs., Monroe, N. C.								
†La-Ruth 319251	D	77	May	1115.0	4.85	54.08		
		107	June	1021.3	5.40	55.15	3526.3	177.31
Hart, Tena, Mrs., Fir Ridge Guernsey Farm, Roy, Wash.								
Rilma of Fir Ridge 280204	B	273	May	735.0	5.03	36.97		
		303	June	668.4	4.94	33.02	11065.9	532.86
Harvey, J. M., Est., Harvey Farm, Waukesha, Wis.								
†Harvey Farm Betty 290754	B	2	Apr	72.4	6.80	4.92		
		33	May	1280.9	6.80	87.10	1353.3	92.02
S. Florham D'Arcy 129532 A. R.	D. King's Hazel of Utility 92017 A. R. 10671							
Harvey Farm Dora 337074	G	351	Apr	168.6	6.65	11.21		
				475.4	5.72	27.19		
		365	May	382.3	5.72	21.87	8855.8	488.4
Harvey Farm Elizabeth 308799	D	225	May	767.2	5.24	40.20	6940.7	352.75
Harvey Farm Emeline 269105	B	365	May	152.6	5.20	7.94	8200.9	421.5
Harvey Farm Flora 340116	G	363	May	534.1	6.33	33.81	7801.2	421.41
†Harvey Farm Julianna 351244	G	123	Apr	703.4	4.30	30.25		
		154	May	689.0	4.75	32.73	4044.9	181.91
†Harvey Farm Marcelline 351245	G	123	Apr	595.6	5.36	31.92		
		154	May	568.1	5.50	31.25	3614.4	184.22
†Harvey Farm Marie 317002	C	8	Mar	256.9	4.06	10.43		
		38	Apr	1007.3	4.06	40.90		
		69	May	924.9	4.70	43.47	2189.1	94.80
S. Florham D'Arcy 129532 A. R.	D. Utility Jewel 221020							
King's Harvey Farm Annette 290753	C	194	Apr	837.4	5.83	48.82		
		225	May	816.1	6.19	50.52	7196.1	430.99
Harville, Thomas, Avalon Guernsey Farms, Macedonia, Ohio.								
*Cherub's Lilly of Goodrich Farm 237766	A	261	June	879.3	5.24	46.08	10156.6	505.01
Cherub's Rosia of Goodrich Farm 252489	A	299	June	637.7	5.46	34.82	10520.8	537.41
Cherub's Royal Lass 348182	G	220	May	851.8	5.13	43.70		
		250	June	673.0	5.38	36.21	7577.3	392.30
Haskell, H. G., Hill Girt Farm, Cossart, Pa.								
Anda Lilian 335549	G	365	May	847.1	5.27	44.64	10578.3	530.6
Golden Hazel of Hill Girt 335548	E	151	May	723.7	5.63	40.74	3434.1	197.84
Golden Patience 309020	D	223	May	859.5	5.68	48.82	6766.1	364.81
*Guardsman's Golden Belle of Hill Girt 211294	A	140	May	1343.5	4.60	61.80	6176.1	275.02
Lady Nora of Hill Girt 360865	G	134	May	816.1	4.83	39.42	3965.1	197.03
*Langwater Belle 304317	B	151	May	1438.0	4.04	58.10	7807.0	308.50
*Merry Golden Belle of Hill Girt 238742	A	181	May	915.7	6.09	55.77	6663.1	375.96
*Merry Top's Merry Bell 290335	B	175	May	1235.5	5.26	64.99	6950.1	343.90
*Merry Top's Nora Galli 291551	B	169	May	1111.1	5.33	59.22	6460.6	325.21
Nora Belle of Hill Girt 360858	F	273	May	791.7	5.97	47.26	7465.3	427.28
Nora May Rose of Hill Girt 335551	G	365	May	40.1	6.07	2.43	9891.3	531.4
Royal Dora of Hill Girt 337373	D	70	May	1398.9	4.75	66.45	3048.1	139.67
*Topsy Mayfair 307713	C	141	May	1440.4	4.54	65.39	7124.0	314.95
*Wynora 309019	C	63	Apr	1514.0	4.63	70.10		
		94	May	1438.7	4.61	66.32	4395.1	232.34
Hast, A. W., Cedar Grove Farms, Berlin Heights, Ohio.								
†Elaine of Cedar Grove 358518	G	149	May	777.4	4.91	38.17	4072.7	216.63
Hawkins, Elma E., Silver-Forest Fruit & Stock Farms, Silver Creek, N. Y.								
*Poplar Janet 210052	A	175	June	965.3	4.53	43.73	6319.5	294.33
Hawkins, J. F., Myrtledale Farm, Newberry, S. C.								
Nora's Alpha 291566	B	125	June	1074.9	4.80	51.60	4865.6	226.57
Hawkins, L. A., Silver-Forest Fruit & Stock Farms, Silver Creek, N. Y.								
Jessie of Swetland Farm 316511	C	365	June	550.2	4.65	25.58	11614.4	515.3
Mazie of Northside 315613	E	242	June	828.2	4.70	38.93	7797.0	345.25
Ona of Swetland Farm 316509	B	318	June	768.0	5.52	42.39	8141.2	472.81
Silver-Forest Hope 392083	G	287	June	659.7	5.45	35.95	6718.5	352.78
Silver-Forest Rachel 395592	G	246	June	779.0	5.01	39.03	6693.9	357.08
Zane's Jolly Lassie 315937	E	150	June	1143.5	4.51	51.57	5855.9	257.19
Zane's Ona 315936	F	365	June	427.8	6.26	26.78	9849.1	498.1
Zane's Queen Lassie 315829	C	138	June	700.7	5.34	37.42	3611.7	174.79
Heffelfinger, F. T., Highcroft Farm, Wayzata, Minn.								
*Cherub's Danseuse of Shorewood 244526	A	98	Apr	1249.1	6.46	80.69		
		129	May	1168.3	5.57	65.07	5868.8	320.66
Chiems of Minnetonka 333483	E	78	May	1073.8	5.09	54.66	2748.8	135.06
Fancy's Princess of Highcroft 328935	A	177	May	856.8	5.10	43.70	6075.0	296.44
Foremost's Highcroft Jewel 378802	D	140	May	1114.7	5.23	58.30	5512.0	276.74
Foremost's Highcroft Pet 300647	D	237	May	579.0	5.20	30.11	8198.7	424.22
Foremost's Mutt of Highcroft 399972	F	158	May	1165.7	5.00	58.29	6397.4	304.42
Leader's Highcroft Peggy 366670	G	29	Apr	1198.1	5.36	64.22		
		60	May	1387.7	4.47	62.03	2585.8	126.25
S. Henrietta's Highcroft Leader 202663	D. Foremost's Highcroft Pet 300647							
Shorewood Bliss 333041	E	116	May	1012.7	5.33	53.98	4190.5	200.96
Heinz, H. J., Rosemount Farms, Sharpsburg, Pa.								
Valor's Gwendoline 331921	D	365	June	500.3	5.01	25.07	11365.7	500.3
Hollenbeck, J. C., The Oronoko Farm, Berrien Springs, Mich.								
Arloene of Oronoko 252322	A	365	May	324.8	6.76	21.96	7193.5	465.7
†Dimple of Oronoko 322329	E	248	May	793.0	4.65	36.87	7122.8	366.91

Hollerith, L. B. & Daughters, Mrs., Mobjack Farm, Mathews, Va.								
Dimple of Mobjack 5th 236448	A	199	May	1387.4	4.90	67.98	8771.7	437.62
Homestead Dairy Farm, Incorporated, Salisbury, Md.								
Bessie of Redwood 254975	A	262	May	772.2	5.45	42.08		
		292	June	774.2	5.44	42.12	8894.1	472.27
Homestead Brightness 337378	F	213	May	1223.1	4.50	55.04		
		243	June	1175.9	4.31	50.68	10519.8	448.11
Homestead Foremost Admiration 332274	F	287	May	677.2	5.50	37.25		
		317	June	654.4	5.21	34.09	7938.1	400.59
Homestead Foremost Audrey 307491	E	365	May	145.6	7.13	10.38	7516.8	435.0
Homestead Foremost Bridget 336336	G	337	May	590.6	6.47	38.21	8810.1	472.03
*Homestead Foremost Dairymaid 250920	A	263	May	738.6	5.51	40.70		
		293	June	712.8	5.15	36.71	9941.2	503.10
Homestead Foremost Fancy 319936	F	365	May	169.4	5.32	9.01	11574.2	556.3
*Homestead Foremost Flower 285321	B	133	May	1018.5	4.47	45.53		
		163	June	960.2	4.22	40.52	5980.9	258.23
Homestead Foremost Gloria 336335	E	12	Mar	458.2	5.00	22.91		
		42	Apr	1316.4	5.00	65.82		
		73	May	1242.6	4.84	60.14		
		103	June	1051.8	5.43	57.11	4069.0	205.98
S. Foremost's Count 93847 A. R.	D. Cosquay's Grace 104993 A. R. 16832							
*Homestead Foremost Princess 241357	A	116	May	1232.4	5.64	69.51		
		146	June	1105.0	5.32	58.79	6582.1	345.75
Homestead Foremost Rosebud 345015	G	152	May	835.4	4.72	39.43		
		182	June	785.0	4.50	35.33	5441.3	236.34
Homestead Gaiety 345005	F	134	May	916.2	4.85	44.44	5076.6	227.41
Homestead Radiance 319934	E	131	May	795.8	4.50	35.81	4258.0	185.91
*Homestead Rosette 275910	B	252	May	958.9	4.51	43.25		
		282	June	964.0	4.15	40.01	11229.6	497.37
Homestead Royal Goodness 337379	E	131	May	861.9	4.74	40.85	4308.6	199.58
Homestead Royal Rosette 345016	G	154	May	961.4	4.24	40.76		
		184	June	942.3	3.99	37.60	6354.2	257.79
Homestead Selma 345012	G	201	May	831.2	5.01	41.64		
		231	June	788.7	4.96	39.12	6938.2	321.27
Hoovens, A. G., Est., Hoovens Farm No. 1, Goshen, Ind.								
Flossie of Hoovens Farm 361024	G	120	Apr	1189.1	5.08	60.41		
		151	May	1240.6	4.16	51.61	6088.4	254.16
Juliette of Hoovens Farm 317430	D	179	May	1130.1	5.70	64.42	7394.9	380.71
Maribelle of Hoovens Farm 317429	D	17	Mar	662.2	5.26	34.83		
		47	Apr	1453.3	5.60	81.38		
		78	May	1568.3	5.17	81.08	3683.8	197.29
S. Hero's Pauper Prince 167338	D. Mabel of Shady Glenn 242459							
Treva of Lone Beech Farm 276453	A	160	May	1469.9	4.83	71.00	8042.7	384.97
Winner's Pansy of Shady Glenn 258957	A	218	May	1429.6	4.27	61.04	11444.0	485.46
Horneman, H. C., "Kenfleur," Danville, Ill.								
†Kenfleur's Clara Bow 364547	G	214	June	671.6	4.81	32.30	5503.6	267.50
†Kenfleur's Foremost Aline 395068	G	241	June	462.7	5.12	23.69	4297.0	223.84
Kenfleur's Jean Harlow 364544	G	230	June	808.9	4.97	40.20	6654.7	323.33
*Kenfleur's Lady Crescent 243154	A	163	June	1199.0	4.49	53.84	7494.7	349.91
†Kenfleur's Peggy Joyce 364546	G	17	Apr	531.1	3.66	19.44		
		48	May	1116.6	3.73	41.65		
		78	June	981.7	3.87	37.99	2629.4	99.08
S. Kenfleur's May King Joe 114447	D. Maple Crest Ruthie Crescent 274680							
†Kenfleur's Princess Marlene 364545	G	183	June	834.1	5.15	42.96	5534.5	277.86
†Royal Donna 341387	F	264	June	463.6	5.60	25.96	5437.3	300.29
Hughes, Thomas, Chenar Farm, Easton, Md.								
*Acluyd Pearl 373042	E	146	June	1162.4	4.20	48.82	6206.2	293.44
Challenger's Clarissa 342819	F	90	May	933.9	4.77	44.55		
		120	June	940.8	4.31	40.55	3777.6	163.07
Chenar's Cherub's Rosette 333149	G	299	May	1037.3	4.10	42.53		
		329	June	937.4	4.06	38.06	9894.1	413.97
Chenar's Cherub's Sunbeam 333148	G	358	May	846.3	5.70	48.24		
		365	June	190.3	5.70	10.85	9633.7	524.3
Chenar's May Queen 350286	G	137	May	1042.5	4.32	45.04		
		167	June	946.7	4.38	41.47	5694.8	238.30
Chenar's Miss Prim 324127	E	89	May	1276.9	3.94	50.31		
		119	June	1098.5	4.02	44.16	4791.5	195.14
Humphrey, A. B., Grape Wild Farms, Escalon, Calif.								
†Escalon Agnes 407952	G	72	June	692.4	4.64	32.13	1604.0	75.63
*†Escalon Alma 399771	G	181	June	745.7	5.60	41.76	4670.9	248.71
†Escalon Antoinette 407951	G	80	June	708.8	3.89	27.57	1977.6	74.46
*†Escalon Camilla 310180	C	109	June	999.3	4.75	47.47	3938.0	180.80
†Escalon Carrie 391927	G	299	June	780.5	5.36	41.83	8055.6	453.52
†Escalon Charmer's Goldie 391929	G	295	June	511.8	6.65	34.03	6250.3	372.58
†Escalon Coquette 399774	G	176	June	694.2	5.49	38.11	4121.6	219.90
†Escalon Dawn 396444	G	266	June	810.3	4.75	38.49	7249.9	344.12
†Escalon Desire 409649	F	30	June	997.4	5.20	51.86		
S. Highland Royal Prince 115656 A. R.	D. Escalon Della 181259							
Escalon Dorcas 396431	G	233	June	905.9	5.35	48.47	7193.8	376.99
*†Escalon Dorie 363672	C	132	June	1280.6	3.97	50.84	5972.7	256.33
*†Escalon Dortha 355673	C	155	June	1190.9	4.56	54.31	6713.6	315.84
†Escalon Eugenia 389167	G	305	June	12.6	5.40	.68	5458.5	279.5
†Escalon Fleurette 404284	E	15	May	446.3	4.75	21.20		
		45	June	933.8	3.80	35.48	1380.1	56.68
S. Escalon Charmer 163779	D. Escalon Fleurie 334484 A. R. 30139							
*†Escalon Flirt 376543	F	189	June	809.1	5.14	41.59	5453.2	280.86

*†Escalon Flo 343302	B	100	June	987.5	5.14	50.76	3662.7	183.82
†Escalon Floy 409650	G	25	June	680.5	3.90	26.54		
S. Escalon Emory 150976 A. R.	D. Escalon Flower Girl 231672 A. R. 22435							
†Escalon Greta 397636	G	201	June	959.7	4.70	45.11	7228.2	351.76
*†Escalon Harrietta 323808	A	120	June	1133.2	4.99	56.55	4897.8	236.54
†Escalon Hildreth 405984	G	91	June	720.5	5.75	41.43	2262.3	114.44
*†Escalon Hulda 351182	A	7	Apr	339.2	5.05	17.13		
		38	May	1634.7	5.05	82.55		
		68	June	1561.9	4.95	77.31	3535.8	176.99
S. Highland Royal Prince 115656 A. R.	D. Escalon Hilda 247208 A. R. 22991							
†Escalon Iris 407950	G	61	June	787.6	4.17	32.84	1672.9	69.85
Escalon Janet 389168	G	344	June	513.2	5.70	29.25	6852.8	379.26
†Escalon Kate 389166	G	305	June	17.4	5.40	.94	6230.7	329.9
†Escalon Lady Belle 407949	G	74	June	943.0	4.34	40.93	2310.6	107.90
†Escalon Lena 405982	F	91	June	882.8	4.84	42.73	2702.7	130.41
†Escalon Louise 394175	F	277	June	767.5	5.19	39.83	7897.5	409.48
†Escalon Luci 399773	G	181	June	572.5	5.34	30.57	3436.9	186.60
*†Escalon Lucille 323811	A	152	June	1151.1	4.59	52.84	6571.0	303.04
†Escalon Lupe 397634	G	212	June	777.3	5.68	44.15	6292.5	322.90
†Escalon Manda 407948	F	55	June	955.6	4.25	40.61	1736.0	74.95
†Escalon Mary Jane 390631	G	305	June	544.2	4.64	25.25	7864.9	339.0
†Escalon Mona 397635	G	212	June	768.2	4.77	36.64	5775.7	311.90
†Escalon Nadiena 389164	F	305	June	19.8	5.65	1.12	7054.9	378.2
†Escalon Nazimova 405985	G	91	June	824.0	4.21	34.69	2593.5	110.09
†Escalon Nectarine 399772	G	170	June	647.9	5.12	33.17	3897.7	180.87
†Escalon Netoria 397638	G	202	June	838.3	5.60	46.94	6010.5	319.64
†Escalon Nightingale 394177	G	284	June	574.1	5.35	30.71	6314.4	320.87
†Escalon Panchito 391928	G	300	June	676.3	5.29	35.78	7538.3	401.18
†Escalon Poppy 397639	G	212	June	645.3	5.50	35.49	4958.9	255.92
†Escalon Primrose 404285	G	103	June	1251.6	4.75	59.45	4419.1	226.99
*†Escalon Red Rose 305960	A	151	May	719.6	6.14	44.18		
		181	June	735.1	6.06	44.55	4502.8	276.85
*†Escalon Rixie 378367	C	55	May	1161.0	4.55	52.83		
		85	June	1020.9	5.34	54.52	3119.7	166.90
Escalon Roma 394176	F	264	June	563.4	5.29	29.80	5140.1	276.12
†Escalon Rosalind 397637	G	203	June	528.4	5.69	30.07	3460.4	189.01
*†Escalon Rosebud 214011	A	198	June	800.4	4.86	38.90	5315.6	263.55
*†Escalon Royal Pearl 337054	A	111	June	1093.4	5.11	55.87	4512.3	218.61
*†Escalon Royal Rose 310176	A	9	Apr	416.6	4.72	19.66		
		40	May	1496.7	4.72	70.64		
		70	June	1358.0	5.43	73.74	3271.3	164.04
S. Highland Royal Prince 115656 A. R.	D. Escalon Rosebud 214011 A. R. 20334							
*Escalon Ruby Dell 357167	D	283	June	919.7	5.15	47.36	9730.4	525.46
*†Escalon Sunnygirl 382099	F	103	June	1130.2	4.53	51.20	4086.6	195.63
Escalon Twilight 394178	G	257	June	958.7	5.08	48.70	8685.2	420.65
Escalon Vivian 397633	G	196	June	662.9	6.59	43.69	4868.8	291.10
Huss, Albert, Huss Homestead Farm, Appleton, Wis.								
Diamond's Lucile 302844	C	75	May	1358.5	4.34	58.96	3027.6	139.75
Illinois, University of, Urbana, Ill.								
Illini Pride Miranda Girl 347806	G	197	June	765.0	4.39	33.58	5926.3	259.76
Illini Pride Polly 338544	G	365	June	380.4	6.34	24.12	7973.8	497.5
*Orndale Verna 272794	A	78	June	1135.4	4.83	54.84	3169.0	150.49
*Queen Alma of Poskin 283726	A	202	June	866.3	4.25	36.82	6961.9	326.73
*Queen's Gem of Woodland Echo 277292	A	198	June	921.0	4.90	45.13	6937.6	371.78
Ingersoll, W. Fitch, Mr. & Mrs., Bay End Farm, Buzzards Bay, Mass.								
†Baen Carteret Primrose 362579	G	109	Apr	892.4	5.15	45.96		
		140	May	919.8	5.13	47.19	4165.8	215.61
†Baen Galablaye Rosebud 353031	G	71	Apr	867.6	4.98	43.21		
		102	May	867.0	4.99	43.26	2873.6	148.01
†Imp. Blanche of Moulpied 291723	A	242	Apr	957.3	5.05	48.34		
		273	May	1101.6	4.54	50.01	10022.4	463.08
†Imp. Etoile de Feu 305479	C	12	Mar	322.3	5.04	16.24		
		42	Apr	1006.2	4.84	48.70		
		73	May	1056.6	4.58	48.39	2385.1	113.33
S. Linda's Sailor Lad of Tamworth R. A. A. S. 314 P. S.	D. Imp. Rosebud of Middle Blaye 275205							
*†Masher's Grand Courtils Lilac 271468	A	25	Mar	1065.9	3.81	40.61		
		55	Apr	1537.3	3.89	59.80		
		86	May	1599.6	3.73	59.67	4202.8	160.08
S. Countryman of Oaks Farm 85346 A. R.	D. Imp. Princess Margaret of Knollwood 110634 A. R. 15642							
†Imp. Rosebud of Middle Blaye 275205	A	201	Apr	771.9	5.14	39.68		
		232	May	888.4	4.68	41.58	7036.2	378.60
Jones, B. F., Jr., Mrs., "Fair Acres," Sewickley, Pa.								
*Baby Ivy of Homestead Farm 258578	A	212	May	1153.4	4.64	53.52		
		242	June	1000.9	4.09	40.94	9729.0	410.62
Fairacres Constance Bennett 370940	D	212	May	1042.2	4.35	45.34		
		242	June	967.8	4.42	42.78	8514.4	355.42
Fairacres Estelle Taylor 373409	E	151	May	1164.8	5.13	59.75		
		181	June	1084.3	4.66	50.53	7020.8	328.89
Fairacres Gloria Swanson 373408	E	182	May	701.4	5.01	35.14		
		212	June	634.7	5.42	34.40	5109.7	276.21
Fairacres Nancy Carroll 388898	G	304	May	674.6	5.75	38.79		
		334	June	634.5	5.79	37.26	7379.1	419.71
Fairacres Nanette 323379	E	365	May	858.3	5.36	46.00	10540.7	521.7
*Fairacres Princess Flavia 350197	C	92	May	1178.2	4.70	55.38		
		122	June	1077.1	4.88	52.56	4745.9	231.87

Klauder, George C., Valleywood Farms, Penllyn, Pa.								
†Anita of Valleywood 292019	C	119	May	1183.5	4.84	57.28		
		149	June	1114.4	4.84	53.94	6540.7	319.79
†Langwater Kathleen 304314	C	305	May	751.6	5.24	39.38	9629.7	464.9
†Pencoyd Cavell 294162	A	1	Apr	35.2	4.84	1.70		
		32	May	1286.4	5.37	69.08		
		62	June	1176.4	4.26	50.11	2498.0	120.89
S. Langwater Music's Dimple King 57284 A. R.		D. Pencoyd Cavalierra 137855 A. R. 17437						
†Valleywood Beldame 385123	F	212	May	532.1	5.15	27.40		
		242	June	617.6	5.25	32.42	4901.7	247.26
†Valleywood Blue Bell 385121	G	305	May	304.0	5.24	15.93	5973.8	307.8
†Valleywood Cavell 406937	G	22	Apr	602.4	4.14	24.94		
		53	May	804.1	3.87	31.12		
		83	June	748.0	5.04	37.70	2154.5	93.76
S. Raleigh of Pencoyd 140125	D. Pencoyd Cavell 294162							
†Valleywood Flora Dora 409697	G	20	May	492.2	3.83	18.85		
		50	June	797.3	4.60	36.68	1289.5	55.53
S. Atamannsit Corinthian 135201	D. Wasteland Dora 184901							
†Valleywood Leading Lassie 385122	G	295	May	555.4	5.60	31.10		
		305	June	193.4	5.60	10.83	6184.2	317.8
†Valleywood Nymph 390675	G	112	May	726.8	5.01	36.41		
		142	June	754.1	4.60	34.69	3428.2	161.74
†Valleywood Queen of The East 390166	G	51	May	855.1	4.51	38.57		
		81	June	772.1	4.80	37.06	2254.1	105.91
†Valleywood Retta 331015	E	145	May	613.5	5.89	36.14		
		175	June	593.4	5.80	34.42	3642.6	205.17
†Valleywood Show Girl 389950	G	122	May	800.8	4.94	39.56		
		152	June	832.8	4.40	36.64	4037.9	189.48
Knight, C. Prescott, Est., Greyholme Farms, East Greenwich, R. I.								
Greyholme's Choice Betty 314561	D	106	May	1219.4	4.90	59.75		
		136	June	1147.9	4.51	51.77	5231.9	247.84
Greyholme's Choice Myrtle 344290	G	342	May	865.2	5.88	50.87		
		365	June	596.5	5.56	33.17	10433.5	561.2
Greyholme's Golden Lucy 331087	F	322	May	677.2	6.08	41.17		
		352	June	671.7	5.71	38.35	8884.6	496.77
Greyholme's Golden Peggy 344291	G	354	Apr	188.6	5.69	10.73		
				217.0	5.14	11.15		
		365	May	326.6	5.14	16.79	8864.4	457.6
Greyholme's Noble Janet 318697	D	100	May	897.3	5.37	48.19		
		130	June	714.6	5.48	39.16	3982.6	206.79
Greyholme's Noble Lass 329135	F	317	May	910.7	5.95	54.19		
		347	June	827.3	5.01	41.45	11132.0	560.34
Greyholme's Noble Melody 347802	G	122	May	903.2	4.70	42.45		
		152	June	861.0	4.67	40.21	4727.6	203.13
Greyholme's Sequel Kit 320039	D	162	May	662.0	4.76	31.51		
		192	June	516.1	4.66	24.05	4954.6	231.74
Knight, William W., Belmont Farm, Perrysburg, Ohio.								
Fancier's Cherub of Belmont 314902	D	325	June	644.4	5.93	38.21	8868.2	470.68
Fancier's Hope of Belmont 314908	D	157	June	1007.0	5.04	50.75	5618.4	258.43
Fancier's Marie of Belmont 314905	D	193	June	695.5	5.56	38.67	5011.6	259.74
*Fancier's Nevma of Belmont 295882	D	269	June	985.9	5.40	53.24	11036.9	554.46
Fancier's Surprise of Belmont 314910	D	122	June	742.8	4.96	36.84	3248.3	151.08
Knutzen, W. J., Bow, Wash.								
†Grace of Highland View 328305	F	212	May	867.5	5.45	47.28	6079.4	304.39
Krause & Tinkham, Oakwold Farm, Ripon, Wis.								
†Homewood Surprise 335845	E	171	Apr	543.7	5.30	28.82		
		202	May	517.5	5.17	26.75	4417.2	231.77
†King's Sundari 131600	A	106	Apr	878.1	4.65	40.83		
		137	May	883.3	4.63	40.90	4013.9	180.15
Oakwold Edna 255914	A	165	Apr	1379.4	4.63	63.87		
		196	May	1392.3	4.73	65.86	9681.1	409.15
†Oakwold Hilaria 394883	E	173	Apr	867.6	5.40	46.85		
		204	May	888.9	5.13	45.60	6696.2	354.28
†Oakwold Hortensia 394884	E	55	Apr	1123.3	4.97	55.83		
		86	May	1080.5	4.75	51.32	3078.1	153.40
Oakwold Irma 398075	G	146	Apr	978.1	4.24	41.47		
		177	May	983.3	4.36	42.87	6078.1	252.43
†Pearl's Pride of City View 271005	A	171	Apr	691.5	4.35	30.08		
		202	May	641.2	4.71	30.20	5689.6	259.06
†Verbena of Diedrich Farm 265380	A	30	Apr	1316.3	4.68	61.60		
		61	May	1296.8	4.39	56.93	2613.1	118.53
S. Crystal Stream's Carl 106579	D. Princess Bergere 2d 61547 A. R. 13027							
Krebs, Ebba V., Breidablik Farm, Wilmington, Del.								
*Cherry Boy's Frances of Delaware 219200	A	99	May	1386.3	5.00	69.32	4323.3	188.42
*Foremost Lillian of Breidablik 225327	A	54	May	1641.4	4.80	78.79	2740.9	126.07
*Foremost's Eiletta of Breidablik 223380	A	123	May	1255.7	5.31	66.68	5620.0	270.25
Leader's Enna 298848	C	19	Apr	912.7	4.40	40.16		
		50	May	1578.0	5.00	78.90	2490.7	119.06
S. Edgemere Leader 115415 A. R.	D. Nonpareil's Enna of Breidablik 199365							
Leader's Yarico of Bdbk. 295579	C	365	May	446.1	5.50	24.54	13544.4	612.4
*Master Fred's Flora of Bdk. 274610	A	92	May	1440.8	4.94	71.18	4462.1	214.36
Kruse, Simon, Radisson Farm, Anoka, Minn.								
Bessie of Plain View Guernsey Farm 248671	A	16	Feb	605.1	3.54	21.42		
		47	Mar	1140.8	4.12	47.00		
		77	Apr	1029.8	4.71	48.50		

		108	May	1081.6	5.08	54.95	3857.3	171.87
S. Craigamoor Queenie's Austerlitz 42985 A. R.		D. Larkspur of Jean Du Luth 133541						
Coronet Merry Lass of Radisson 343593	A	321	Apr	44.5	5.65	2.51		
				126.0	5.01	6.31		
		352	May	637.6	5.01	31.94	7820.3	386.02
Excelsior's Pride of Menomonie 242893	A	365	May	706.5	6.27	44.30	11760.6	615.3
Radisson's Eva 389231	G	22	July	868.1	3.90	33.86		
		53	Aug	1149.0	4.72	54.23		
		83	Sept	1047.6	4.81	50.39		
		114	Oct	918.3	4.58	42.06		
		144	Nov	767.2	5.71	43.81		
		175	Dec	845.8	5.47	46.27		
		206	Jan	867.4	4.65	40.33		
		234	Feb	759.3	4.52	34.32		
		265	Mar	821.4	4.80	39.43		
		295	Apr	802.9	4.99	40.06		
		326	May	888.4	5.61	49.84	9735.4	474.60
S. Radisson Bonny Royal 89628		D. Coronet's Helen of Radisson 276495 A. R. 25491						
Radisson's Vanity 408995	G	7	Mar	203.4	4.70	9.56		
		37	Apr	979.4	4.70	46.03		
		68	May	1040.6	5.14	53.49	2223.4	109.08
S. Radisson's Levity Champion 173911		D. Flora's Coronet of Radisson 247890 A. R. 23412						
Laney, J. H. & Son, Oak Knoll Farm, Dousman, Wis.								
†Laurel's Buttercup of Oak Knoll 228677	A	3	Mar	95.2	4.10	3.90		
		33	Apr	1023.1	4.10	41.95		
		64	May	1051.1	3.98	41.83	2169.4	87.68
S. Pencoyd Badger 77145		D. Laurel's Champion 93328 A. R. 13390						
Lasker, A. D., Mill Road Farm, Lake Forest, Ill.								
Lassie of Everett 340233	G	282	June	648.7	5.35	34.71	6611.5	352.61
*Wendmere Charmer 251717	A	131	Apr	1222.6	4.07	49.76		
		162	May	1219.7	4.27	52.08		
		192	June	1192.2	3.97	47.33	8687.0	365.26
*Wendmere Joan 237979	A	122	June	1404.5	4.92	69.10	6185.7	321.75
Latta, J. E., Hillsboro Farm, Hillsboro, N. C.								
†Foremost's Princess Neva 369118	G	30	Apr	732.1	3.90	28.55		
		61	May	918.1	4.70	43.15	1650.2	71.70
S. Pink's Foremost of Mayfield 144322 A. R.		D. Geneva of Wayside 205682 A. R. 26111						
Raider's Peach Blossom 367499	G	30	Apr	487.2	4.97	24.21		
		61	May	565.7	5.24	29.64	1052.9	53.85
S. Klondike Royal Raider 175211		D. Regina of Constance 300527 A. R. 31546						
Leeds, Henry W., Locust Grove Farm, Westville, N. J.								
Aletha of Lindendell 302323	C	186	June	977.7	5.28	51.62	6791.0	328.54
Brockton's Actress 335917	F	255	June	850.5	5.48	46.61	8175.0	384.84
Cosquay's Cheri Countess 311256	C	77	June	1129.2	4.62	52.17	3073.6	136.36
*Daylo Estafette 257208	A	309	June	972.7	4.88	47.47	13146.0	632.86
Delhaven Betty 293231	C	179	June	994.0	5.15	51.19	6957.4	354.12
Delhaven Prudella 266084	A	95	June	1231.9	4.68	57.65	4192.7	177.84
Foxy Princess 308207	C	71	June	1242.1	4.86	60.37	3054.2	153.70
*Glenwood's Wild Rose of Locust Grove 250178	A	303	June	710.0	4.54	32.23	9957.1	448.65
*Hardwick's Bessie 308209	E	341	June	753.3	5.46	41.13	10874.2	516.37
Hardwick's Betty 349043	G	185	June	968.9	5.64	54.65	6250.8	333.23
*Hardwick's Blossom 228453	A	174	June	1221.2	5.18	63.26	8122.4	415.25
*Hardwick's Busy Maid 288609	B	139	May	1048.6	6.18	64.80	5934.9	326.72
Hardwick's Contentment 364938	G	57	Apr	1026.9	4.46	45.80		
		88	May	992.7	4.59	45.56		
		118	June	955.3	4.82	46.05	3882.8	178.17
Hardwick's Jewel 256718	A	140	May	962.4	4.94	47.54		
		170	June	838.0	5.23	43.83	5798.9	317.74
Hardwick's Lady 358255	G	95	June	681.9	5.83	39.75	2388.4	123.90
*Hardwick's Lassie 298693	D	320	June	780.4	6.33	49.40	9686.9	574.88
*Hardwick's Springtime 303832	C	247	June	819.5	5.57	45.65	8137.6	451.04
Hardwick's Stella 358252	G	86	June	1225.7	5.09	62.39	3573.4	169.02
He'll Do's Minnie 349044	G	178	June	751.5	4.69	35.25	5521.3	259.36
*Homestead Desire 320732	D	117	June	1153.8	4.74	54.69	5284.0	247.78
Jumbo's Ultra Lady 335919	E	110	June	1298.8	4.83	62.73	5023.7	235.38
*Maple Lane Illinois 250877	A	118	June	1608.1	5.02	80.73	6733.8	304.90
Pride's Daisy Queen of Cosquay 318357	C	91	June	1157.6	4.44	51.40	3605.3	159.72
Royelen's Lilian 349992	G	217	June	683.7	5.24	35.83	6748.2	316.41
Royelen's Merrymaker 358907	G	138	June	951.3	4.76	45.28	4768.5	218.99
Lehman, P. B., P. B. Lehman Dairy, Decatur, Ind.								
Homestead Princess Primrose 296157	B	44	May	1807.3	4.46	80.61		
		74	June	1895.9	4.25	80.58	4369.5	189.84
Leman, J. Howard, Frankland Farms, Hopkinton, Mass.								
*Constance of Frankland 252627	A	151	May	1147.5	5.25	60.24		
		181	June	1060.3	5.21	55.24	6776.2	343.03
Frankland Garnet 348252	G	93	May	1099.1	5.13	56.38		
		123	June	974.6	5.47	53.31	4334.0	219.19
Frankland Godiva 389797	G	273	May	815.7	5.38	43.88		
		303	June	761.7	6.15	46.84	8406.4	446.73
Frankland Marcia 350140	G	18	Apr	686.3	4.71	32.32		
		49	May	1051.5	4.71	49.53		
		79	June	862.3	5.13	44.24	2600.1	126.09
S. Lynbrook Shamrock 161095		D. Marchioness of Frankland 160022						
Frankland Primrose 348250	G	122	May	708.9	4.96	35.16		
		152	June	702.5	5.77	40.53	3945.8	209.15

*†Frankland Priscylla 326440	E	30	Apr	1256.3	6.50	81.66		
		61	May	1426.2	5.46	77.87		
		91	June	1065.0	6.00	63.90	3747.5	223.43
S. Orchard View Reliance 143441	D. Pearl of Frankland 171659							
Frankland Ruth 348253	G	55	Apr	923.6	3.84	35.47		
		86	May	894.6	4.86	43.48		
		116	June	806.5	5.91	47.66	3386.7	163.80
Guinevere of Frankland 152822	A	66	May	1425.3	4.46	63.57		
		96	June	1261.5	4.64	58.53	4353.9	186.29
Lewis, Clarence McK., Skylands Farm, Sterlington, N. Y.								
*Chedco New Year 243962	A	242	June	1162.2	6.66	77.40	9281.4	607.18
*†Fairydale Primrose 234057	A	86	June	1013.0	5.68	57.54	3030.5	170.12
*Langwater Lady Nancy 195135	A	111	June	1249.4	5.27	65.84	5179.7	255.27
*†Mixter Pippin 101644	A	137	June	1139.2	5.57	63.45	5157.5	304.36
*Skylands Blossom 295204	C	221	June	517.1	6.36	32.89	4813.3	313.04
Loree, L. F., Bowood Farm, West Orange, N. J.								
†Barberry of Bowood 294063	C	235	June	630.2	4.68	29.49	7859.4	348.55
†Kate Pie of Bowood 357640	G	122	June	822.7	5.50	45.25	3579.6	181.67
Loree, Robert F., Afton Farm, Florham Park, N. J.								
Afton's Addie 329982	F	246	June	783.8	5.67	44.44	6773.2	357.89
*†Afton's Daphne 291152	C	212	June	1056.4	5.26	55.57	8203.3	404.81
Afton's Donna May Belle 337066	G	234	June	893.5	5.61	50.13	7908.7	396.80
Afton's Donna May Katherine 343376	G	212	June	942.6	5.71	53.82	7536.1	410.75
Afton's Favorite 321885	F	365	June	98.5	5.43	5.35	10478.1	560.0
*Afton's Heartsease 326061	E	88	June	1084.7	4.61	50.00	3555.9	159.57
Afton's Mignot 326429	G	365	June	945.3	5.55	52.46	12625.8	646.3
*Afton's Narcissus 336937	G	250	June	813.2	5.03	40.90	7484.9	344.68
†Afton's Polly Primrose 347448	G	149	June	848.4	4.27	36.23	4302.9	180.06
*†Afton's Princess 271832	A	247	June	802.0	5.09	40.82	7807.4	356.70
Afton's Princess Pat 333267	F	258	June	1101.4	5.15	56.72	9559.9	450.87
*†Afton's Rosemary 271831	A	141	June	1375.0	5.16	70.95	7283.6	337.93
Afton's Rosie C. 341452	G	197	June	722.8	5.30	38.31	5567.7	270.24
†Afton's Royal Princess 326063	E	141	June	936.7	4.60	43.09	4559.0	202.50
†Afton's Royal Queen 321884	E	122	June	921.8	5.21	48.03	3847.2	180.57
†Afton's Snowball 329981	F	287	June	803.0	5.44	43.68	7821.3	391.20
Alyssum of Bowood 340192	G	242	June	534.4	5.54	29.61	5043.8	249.45
Florham Pearline 325375	E	172	June	909.2	5.42	49.28	6096.4	280.03
Loving, J. W., Mrs., Pueblo, Colo.								
Warren's Sunshine Golden 367011	G	19	Apr	736.8	3.29	24.24		
		50	May	1319.5	3.29	43.41	2056.3	67.65
S. St. Croix Warren 74815 A. R.	D. Golden You'll Do of Alta Vista 192105 A. R. 27534							
Luehring, Henry J., Holland Dairy Farm, Colorado Springs, Colo.								
*Holland Farm Blanche 248028	A	126	May	1315.5	4.75	62.49		
		156	June	1223.4	4.90	59.95	6815.1	319.17
Holland Farm Flossie 350895	G	179	June	1009.1	4.27	43.09	6190.2	268.07
Holland Farm Nellie 349755	F	67	May	988.6	5.04	49.83		
		97	June	978.5	4.76	46.58	3150.1	151.54
*Queen's Chula of Holland Farm 248027	A	156	June	1264.1	4.34	54.86	7699.1	344.46
Macy, V. Everit, Est., Chilmark Farm, Ossining, N. Y.								
Chilmark Daffodil 280079	B	165	June	1370.7	4.76	65.25	8051.2	392.88
Chilmark Princess 280081	A	8	Apr	303.0	4.90	14.85		
		39	May	1468.9	4.90	71.98		
		69	June	1421.0	5.12	72.76	3192.9	159.59
S. Rockingham Star Holliston 93184 A. R.	D. Masherlette of Harbor Hill 2d 96653 A. R. 8505							
Chilmark's Queen of Gold 252609	A	345	June	1008.4	5.49	55.36	12499.7	688.00
Imp. Lady Polly of Bouillon 275551	A	298	June	803.6	4.64	37.29	9846.8	446.72
Magee, Richard A., Cobb Farm, South Truro, Mass.								
*Harvester's Agnes of High Hill 259280	A	30	Apr	1220.4	5.08	62.00		
		61	May	1236.6	5.32	65.79	2457.0	127.79
S. High Point Harvester 116553 A. R.	D. Rose Mary of High Hill 199587							
Sheik's Forges Blanche 348076	F	30	Apr	916.4	4.67	42.80		
		61	May	974.7	4.62	45.03	1891.1	87.83
S. Cramond Sheik 107754 A. R.	D. King's Clara of The Forges 187275 A. R. 23513							
Mallet-Prevost, S., "The Crags," North Conway, N. H.								
Countess of Wentworth Hall 330542	E	269	May	657.7	5.72	37.62		
		299	June	641.3	5.50	35.27	7550.7	415.55
Dalia of the Crags 329570	D	209	May	775.8	5.77	44.76		
		239	June	756.0	5.78	43.70	6686.7	389.67
Marsalis, Thomas, My Lord's Gift Farm, Queenstown, Md.								
Green Meadow Cornflower 325960	E	321	June	856.4	5.06	43.33	10563.4	534.37
Martha's Choice 204713	A	365	June	650.8	5.61	36.51	10689.2	550.3
Mary Brehaut of Delmarva 264802	A	91	June	1426.0	4.24	60.46	4568.1	202.47
Martin, Ernest, Martin-Violette Farm, Goshen, Ind.								
*Angeline's Spot of Musser Farm 299896	B	17	Apr	820.6	5.26	43.16		
		48	May	1579.1	4.42	69.80		
		78	June	1392.9	4.23	58.92	3792.6	171.88
S. Dandy of Old Home Dairy Farm 148583	D. Angeline of Seiberling Farm 163992							
Argilla Cynthia 349326	G	199	May	1125.5	4.67	52.56		
		229	June	1050.8	4.50	47.29	8389.8	381.42
Argilla Lotterie 325001	E	116	May	1142.9	4.36	49.83		
		146	June	998.8	4.33	43.25	5443.0	242.47
Bessie Blossom of Musser Farm 280445	B	365	May	442.9	5.23	23.16	12069.5	580.4

Blossom's Elsie of Musser Farm 320882	E	212	May	1093.5	4.84	52.93		
		242	June	981.7	4.97	48.79	9056.0	455.37
Coventry Fantasy 339332	G	223	May	1104.1	4.50	49.68		
		253	June	987.1	4.60	45.41	8852.0	411.50
Fayroyal's Ivy 376598	G	238	June	1051.7	4.67	49.11	8372.5	396.50
*Florham Dahlia 276742	B	243	May	1182.0	4.90	57.92		
		273	June	1123.6	5.10	57.30	11230.7	589.55
*Florham Royal Princess 303534	D	243	May	1084.2	5.61	60.82		
		273	June	957.7	5.70	54.59	10697.4	600.90
Forge Hill Royal Verina 305062	E	273	June	921.5	4.90	45.15	11674.7	635.14
Langwater Damosel 351418	G	299	May	1199.2	5.03	60.32		
		329	June	1060.6	4.87	51.65	12315.0	557.04
Lucy's Freda 347980	G	212	May	1162.1	4.60	53.46		
		242	June	1062.5	4.66	49.51	8719.2	385.93
Speckle's Lucy of Musser Farm 299897	C	167	May	1425.7	4.67	66.58		
		197	June	1293.5	4.76	61.57	9871.9	481.48
*Valor's Grace 298449	B	304	May	1187.2	5.29	62.80		
		334	June	1089.3	5.41	58.93	14914.8	772.64
Maryland Agricultural Experiment Station, College Park, Md.								
*Governor's Rosette of Rossbourg 195967	A	61	May	1483.5	4.36	64.68		
		91	June	1268.1	3.91	49.58	4111.4	170.42
Warrior's Rosette of Rossbourg 335424	G	329	May	515.7	5.34	27.54	7099.7	349.6
Massachusetts State College, Amherst, Mass.								
Bay State Juror's Duchess 341266	F	246	June	744.5	5.65	42.06	6117.2	329.42
Bay State Juror's Mitzie 341267	F	237	June	703.7	5.03	35.40	5775.6	278.86
Bay State Juror's Wonder 347218	F	181	June	1004.5	4.39	44.10	6085.4	257.64
McAlpin, D. H., Est., Brooklawn Farms, Morris Plains, N. J.								
*†Antoinette's May King's Queen 196941	A	305	May	60.4	4.77	2.88	7818.0	366.4
*†Lady Antoinette's Sailor Girl 325028	E	92	May	927.3	6.04	56.01		
		122	June	799.5	5.45	43.57	3774.7	213.20
*†Lady of Brooklawn 265373	A	181	May	909.9	5.76	52.41		
		211	June	785.4	5.59	43.90	7670.5	414.76
*†May King of Brooklawn's Daughter 229736	A	197	May	769.5	5.13	39.48		
		227	June	671.1	5.20	34.90	7494.1	367.82
*†Senator's Lady of Brooklawn 295227	C	171	May	608.9	6.11	37.20		
		201	June	571.5	6.17	35.26	4857.0	297.38
*†Viola's Daughter of Brooklawn 289587	B	140	May	607.6	5.43	32.99		
		170	June	546.1	4.98	27.20	4584.6	232.50
*†Viola's May King Duchess 325026	C	6	Apr	232.1	4.57	10.61		
		37	May	1346.2	4.57	61.52		
		67	June	1161.3	5.33	61.90	2739.6	134.03
S. Viola's May of Brooklawn 90981 A. R.		D. Antoinette's May King's Queen 196941 A. R. 22983						
†Viola's May King Lassie 312389	E	239	May	485.0	5.34	25.90		
		269	June	312.8	5.64	17.64	5276.3	257.90
McCall, C. S., Appin Farm, Bennettsville, S. C.								
Appin's Celeste 353977	B	181	June	807.2	4.62	37.29	5249.7	250.39
Appin's Comely Lady 351261	B	181	June	1033.9	5.40	55.83	6869.8	362.32
Appin's Deb 392238	E	202	June	680.8	4.92	33.50	4976.8	251.11
Appin's Ellen 400815	G	161	June	659.7	5.20	34.30	3727.7	188.40
McCormick, Chauncey, Mrs., St. James Farm, Naperville, Ill.								
†St. James Champion's Ann 348391	F	64	June	1306.8	4.34	56.72	2860.7	120.43
St. James Champion's Iris 328594	F	297	June	909.1	5.10	46.36	10350.4	510.63
*†St. James Champion's Isabelle 320230	D	59	June	1363.2	3.53	48.12	2717.8	102.30
†St. James Champion's Jewel 345616	E	18	May	444.0	4.18	18.56		
		48	June	779.1	4.18	32.57	1223.1	51.13
S. Shuttlewick Champion 100971 A. R.		D. Marna's Jewel of Sun Set View 115526 A. R. 19070						
*†St. James Champion's Levity 320231	D	1	May	43.8	5.10	2.23		
		31	June	1381.5	5.10	70.46	1425.3	72.69
S. Shuttlewick Champion 100971 A. R.		D. Merry Lillian 118270 A. R. 15935						
†St. James Champion's Susan 349849	F	14	May	489.3	3.60	17.61		
		44	June	1128.8	3.60	40.64	1618.1	58.25
S. Shuttlewick Champion 100971 A. R.		D. Susan of Halfred Farms 115825 A. R. 16675						
St. James Champion's Verbena 327224	F	295	June	819.3	5.04	41.29	10033.7	459.96
St. James Champion's Vesta 340619	F	218	June	1075.0	3.97	42.68	8547.6	319.65
*†St. James Verlinda 313156	D	144	June	955.5	5.20	49.69	5513.3	258.37
McCormick, Robert R., Mrs., Cantigny Farm, West Chicago, Ill.								
Cantigny's King's Kathryn 340440	F	163	May	920.0	5.45	50.14	4915.7	274.88
Cantigny's King's Kitty 300820	D	315	May	966.6	5.29	51.13	9872.8	479.30
Cantigny's King's Mary Ann 334039	F	365	May	596.1	5.63	33.56	10556.7	531.7
McKerrow & Sons Company, George, McKerrow Farm, Pewaukee, Wis.								
*†Alvin's Golden Star 263132	A	27	Apr	1091.6	5.14	56.11		
		58	May	1311.8	5.14	67.43	2403.4	123.54
S. Corium Alvin 63727 A. R.		D. Daisy Pearl's Dancer of A. D. F. 83439						
†Bell Buoy's Maiden 360571	G	76	May	610.5	4.92	30.04	1551.2	72.85
†Eminence Admiration 304122	C	7	Apr	289.6	5.91	17.12		
		38	May	1339.9	5.91	79.19	1629.5	96.31
S. Anne's Admiral 141865 A. R.		D. Tristan's Eminence 236600 H. I. 447						
†Eminent Ada 348612	F	4	Apr	96.4	4.91	4.73		
		35	May	1049.7	4.91	51.54	1146.1	56.27
S. Anne's Admiral 141865 A. R.		D. Tristan's Eminence 236600 H. I. 447						
*†Eminent Addie 304120	C	90	May	1174.2	4.42	51.90	3153.6	138.00
†Miss Iona's Surprise 226048	A	19	Apr	480.7	3.65	17.55		
		50	May	944.7	3.65	34.48	1425.4	52.03
S. Ultra Dora's Boy 116260 A. R.		D. Iona's Pretty Miss 190326						

*†Proud Bonny Lass 268435	A	68	May	1039.0	4.25	44.16	2288.6	106.76
†Sterling's Charlotte 324831	D	30	Mar	1135.0	4.43	50.28		
		60	Apr	1181.0	4.43	52.32		
		91	May	1085.4	4.14	44.94	3401.4	147.54
S. Martindale Sterling 109409 A. R.	D. Alvin's Ultra Chene 185545							

McLean, George P., Est., Holly Farm, Simsbury, Conn.

Holly Farm Doris 295032	C	263	June	805.1	5.78	46.53	8606.5	492.73
Holly Farm Hyacinth 318453	B	350	June	711.5	5.48	38.99	10937.6	586.94
Holly Farm Katherine 353461	G	200	June	920.6	5.93	54.59	6722.4	372.72

Merle-Smith, Van S., "The Paddocks," Oyster Bay, N. Y.

†Arvilla of Paddocks 343022	G	235	June	695.1	6.01	41.78	5344.5	316.68
*†Imp. King's Primula II. 332675	A	68	June	1933.4	4.35	84.10	4454.5	204.10

Merrill, S. M., Argilla Farm, Ipswich, Mass.

*Argilla Faith's Dolly 292469	C	182	May	1349.6	5.82	78.55	8825.9	456.20
Argilla Foam 315026	E	251	May	845.5	5.87	49.63	7289.2	404.24
*Argilla Forelight 303092	D	144	May	1092.1	5.93	64.76	5696.1	316.06
Argilla Foresight 356124	G	25	Apr	832.4	5.17	43.04		
		56	May	1121.4	5.12	57.42	1953.8	100.46
S. Dolly's Foremost of High Rock 67827 A. R.	D. Sentinel's Twilight of Argilla Farm 128137 A. R. 18161							
*Argilla Forgiveness 314385	E	212	Apr	1063.5	5.53	58.81		
		243	May	1165.7	6.19	72.16	9016.9	519.89
*Argilla Formosa 303088	E	365	May	237.4	5.84	13.86	15875.8	854.5
Argilla Henryetta 356125	G	18	Apr	655.2	4.63	30.34		
		49	May	1211.6	4.66	56.46	1866.8	86.80
S. Lord Henry of Grafton 155065	D. Jimmyetta 230404 A. R. 29065							
Argilla Honora 349329	G	84	May	1496.5	4.75	71.08	3982.8	198.62
Argilla Treasure 356123	G	20	Apr	680.7	4.73	32.20		
		51	May	1204.3	5.04	60.70	1885.0	92.90
S. Argilla Terry 170906	D. Argilla Fortune 303089 A. R. 31443							
*Palotterie of Fairview Home 313113	B	334	Apr	1101.9	5.56	61.27		
		365	May	1052.0	5.81	61.12	16764.6	860.3
*†Palotterie of High Rock 187483	A	29	Apr	1311.4	5.10	66.88		
		60	May	1486.8	5.10	75.83	2798.2	142.71
S. Dolly's Foremost of High Rock 67827 A. R.	D. May Palotterie 81311							

Merriman, J. A., Merrilane Guernsey Farm, Eugene, Oregon.

†Beauty of Lane 357034	G	186	June	789.9	4.25	33.57	5723.2	236.21
*†Peggy Ima 301138	C	14	Apr	536.2	4.00	21.45		
		45	May	1280.8	4.05	51.87		
		75	June	1109.4	4.87	54.03	2926.4	127.35
S. Cherub's Gale 119557	D. Cherub's Ima 202044							

Merriman, J. A., Mrs., Merrilane Guernsey Farm, Eugene, Oregon.

*†Bernice of Oak Grove 277315	A	7	Apr	129.8	5.65	7.33		
		38	May	780.9	5.05	39.44	910.7	46.77
S. Forest Home's Master 126453 A. R.	D. Cherub's Juletta of Oak Grove 202045							
*†Helen of Benton 303481	B	30	Apr	1163.0	4.55	52.92		
S. Forest Home's Master 126453 A. R.	D. Cherub's Juletta of Oak Grove 202045							
†Jewel's Princess Katherine 321569	E	248	June	490.3	6.15	30.15	4963.1	292.69

Mignin, Charles F., "Taberlea," Castile, N. Y.

*Reservation Marjory 289162	B	231	June	1459.3	5.33	77.78	12045.7	611.92
Reservation Priscilla 290427	B	259	June	857.6	6.05	51.88	8467.2	446.59

Miller, Amos C. & Truman, William, Castalia Guernsey Farm, Castalia, Ohio.

*†Castalia's Edna 319485	A	120	May	1344.0	5.46	73.38		
		150	June	1262.2	4.65	58.69	6514.3	327.66

Miller, B. D., Bethany Homestead Farms, Honesdale, Pa.

Bethany Adventuress 314151	E	216	June	743.0	6.17	45.84	6155.8	318.05
Bethany Alice 343267	F	354	June	587.6	5.37	31.55	9559.0	471.37
†Bethany Althea 309842	C	157	June	896.4	5.47	49.03	5005.1	272.93
Bethany Butterfat's Delight 338590	F	185	June	1082.6	4.78	51.75	7097.9	317.31
Bethany Butterfat's Dolly 338594	F	248	June	941.2	5.12	48.19	8130.8	412.18
Bethany Butterfat's Queen 343272	F	192	June	1022.1	4.59	46.91	6610.3	282.75
†Bethany Butterfat's Rose 338592	F	176	June	972.5	5.80	56.41	5716.9	309.21
*†Bethany Meadowlark 290261	C	279	June	709.1	5.65	40.06	8719.2	498.50
Bethany Patience 324743	F	365	June	452.5	6.55	29.64	7961.5	415.7
Bethany Patroness 350899	G	191	June	617.5	5.82	35.94	4499.2	250.55
Bethany Pharaoh's Clara 338589	G	304	June	537.1	6.10	32.76	7482.3	379.64
Bethany Playful 338593	F	221	June	848.5	5.00	42.43	6281.1	298.43
†Bethany Polkadot 337001	F	305	June	183.1	6.84	12.52	7105.4	437.3
Bethany Portia 343271	G	255	June	824.0	5.65	46.56	7355.3	380.17
*Chestnutwold Freesia 232966	A	279	June	1046.8	4.54	47.52	11854.8	505.40
*Homestead Audrey 270712	A	129	June	1288.4	4.75	61.20	5911.0	279.93
*Homestead Bess 243646	A	270	May	1045.8	5.53	57.83		
		300	June	1069.5	5.44	58.18	12408.3	637.73
†Imp. Primula's Rosebud 318400	D	5	Apr	219.0	5.22	11.43		
		36	May	1595.6	5.22	83.29		
		66	June	1526.5	4.71	71.90	3341.1	166.62
S. Beauty's Champion II. of the Rouvets R. G. A. S. 5142 P. S. A. R.	D. Imp. Primula Rose II. 304496 A. R. 30776							
*†Red Echo Jessica 122562	A	282	June	545.8	5.73	31.27	6668.8	380.38
*Veryfair 276741	A	228	June	1343.2	4.59	61.65	10905.7	492.23

Miller, Harlan, Whimsy Farm, Arlington, Vt.

Whimsy East Wind 339984	F	124	June	917.2	5.17	47.42	4191.8	197.66
Whimsy Mistletoe 337913	F	276	June	890.8	5.06	45.07	7934.5	355.16

Miller, John A., Meadowbrook Farm, Nazareth, Pa.								
*Hartzell's Gertrude's Valorose 232558	A	198	May	1440.7	4.47	64.40	10654.3	488.45
Holliston's Marie Antoinette 281671	C	235	May	1052.0	5.20	54.70	8952.7	480.42
Honoriette of Meadow Brook 266268	C	365	Apr	304.2	5.14	15.64	10629.9	501.0
Meadow Brook Peerless Joy 356987	G	28	Apr	1108.7	4.43	49.12		
		59	May	1363.7	4.67	63.68	2472.4	112.80
S. Meadow Brook Fanny's Neptune 181285		D. Highland Farms Neptune's Peerless Joy 242828 A. R. 26013						
Meadow Brook Valorose 324807	E	139	May	1091.8	4.67	50.99	5316.5	257.73
Neptune's Cherry Blossom 356988	G	72	May	1213.7	3.71	45.03	2695.1	110.55
Neptune's Graceful 334246	G	254	May	980.2	5.14	50.38	7607.5	382.87
Neptune's Marilyn 341979	F	212	May	861.9	5.20	44.82	5647.0	298.00
Neptune's Rosemead 333291	G	252	May	961.7	4.30	41.35	7908.2	373.98
Neptune's Rose of Meadow Brook 310909	E	321	May	490.0	6.59	32.29	7579.7	442.93
Neptune's Roslyn 366210	F	182	May	1213.9	4.85	58.87	7251.3	326.23
Neptune's Ultra Mary 312061	E	325	May	777.5	5.10	39.65	10511.6	482.19
Neptune's Ultra May 312060	D	155	May	1034.8	4.80	49.67	6514.3	305.39
Northern Star's Antoinette 339947	G	195	May	737.3	5.70	42.03	5156.2	279.43
Northern Star's Jeannette 324806	E	8	Apr	324.6	4.55	14.77		
		39	May	1541.9	4.57	70.46	1866.5	85.23
S. Rockingham Northern Star 174530		D. Holliston's Jeannette 272944						
Roslyn of Meadow Brook 312062	D	80	May	1353.8	4.29	58.08	3342.0	147.01
Miller, Minnie W., Thousand Springs Farm, Wendell, Idaho.								
Adelaide of Thousand Springs 325146	E	198	May	1326.4	4.41	58.49		
		228	June	1187.0	4.27	50.68	9996.6	413.05
Babette of Thousand Springs 326676	E	203	May	1240.9	4.37	54.23		
		233	June	1180.1	4.28	50.51	9929.2	425.99
*Bernice of Thousand Springs 204625	A	365	June	1008.2	4.36	43.96	15263.8	651.7
*Imp. Lass of the Gree 287248	A	81	May	1776.9	4.45	79.07		
		111	June	1652.3	4.73	78.15	6559.7	292.46
Louise of Thousand Springs 326675	E	193	May	1350.2	4.25	57.38		
		223	June	1205.0	4.36	52.54	9950.9	412.46
Thelma of Thousand Springs 334726	E	106	May	1573.3	4.57	71.90		
		136	June	1365.1	4.22	57.61	7019.4	303.25
Mills, Charles S., Brechinwood Farm, Jaffrey, N. H.								
†Fritzi Ritz 349288	C	305	June	460.5	5.80	26.71	8549.8	455.5
Holly Farm Alberta 392183	G	31	May	1022.4	4.56	46.62		
		61	June	1067.2	4.56	48.66	2089.6	95.28
S. Shorewood Reliance 88137 A. R.		D. Gerar Jezebel 120197 A. R. 15653						
Holly Farm Gloria 318454	B	241	June	1174.6	5.47	64.25	10494.8	535.81
*Holly's Loyalty 248002	A	153	June	1371.4	5.33	73.10	7417.2	351.75
*Nashoba Nobleman's Pride 379334	C	89	June	1116.5	4.71	52.59	3634.5	173.87
Minnesota, University of, Saint Paul, Minn.								
Minnehaha Earl's Beda 283576	B	226	May	571.9	5.60	32.03		
		256	June	548.1	5.43	29.76	6262.0	327.56
Minnehaha Earl's Bell 340455	F	159	May	727.5	4.77	34.70		
		189	June	673.5	5.14	34.62	5054.9	239.16
Minnehaha Earl's Beulah 340453	F	131	May	826.7	4.64	38.36	3793.9	175.38
Minnehaha Earl's Dorrit 332372	E	129	May	985.7	4.45	43.86		
		159	June	916.4	4.67	42.80	5320.8	238.34
Minnehaha Earl's Dot 330856	E	158	May	1119.4	4.23	47.35	6493.1	289.32
Minnehaha Earl's Lillian 354860	G	137	May	909.0	4.82	43.81		
		167	June	852.0	5.08	43.28	5218.0	243.86
Minotto, James, The Mission Ranch, Phoenix, Ariz.								
Boulder Bridge Duchess 325700	B	132	June	1073.6	4.91	52.71	4913.8	212.68
Trilby of Mission Ranch 340153	F	303	June	817.6	4.73	38.67	9241.9	424.57
Missouri Improvement Company, Bismarck, Mo.								
Sunnymede Dixie Queen 366153	G	52	May	1143.9	4.00	45.76		
		82	June	1027.6	3.12	32.06	2862.0	103.99
Mitchell, Charles J., Tillybardin Farms, Waukesha, Wis.								
†Duke's Chesterbrook 296180	B	22	Apr	833.6	4.00	33.34		
		53	May	1194.7	3.91	46.71		
		83	June	1024.0	4.11	42.09	3052.3	122.14
S. Guernsey Grove Duke 138470		D. Tillybardin King's Chesterbrook 225798						
†Tillybardin Agnes 176199	A	6	Mar	180.3	5.01	9.03		
		36	Apr	904.6	5.01	45.32		
		67	May	908.5	4.77	43.34		
		97	June	878.4	4.70	41.28	2871.8	138.97
S. Marguerite's Tops Boy 48157		D. Amarina of Hillstead 29091 A. R. 5052						
†Tillybardin Duke's Choice 349908	F	12	May	294.4	5.45	16.04		
		42	June	765.9	5.45	41.74	1060.3	57.78
S. Guernsey Grove Duke 138470		D. Tillybardin Choice's Tricksey 225800						
†Tillybardin Duke's Pansy 365897	G	55	Apr	594.6	4.60	27.35		
		86	May	538.3	4.76	25.62	1663.3	78.16
†Tillybardin King's Arabella 259233	A	16	Apr	539.9	4.31	23.27		
		47	May	1052.5	4.31	45.36	1592.4	68.63
S. Triumph's Itchen May King 90946		D. Tillybardin Agnes 176199						
Moffett, James A., 2d, Hollyday Farm, Old Brookville, N. Y.								
†Ann Grintum's Bessie Belle 381199	B	15	Apr	711.7	4.03	28.68		
		46	May	1694.5	4.03	68.29		
		76	June	1257.7	4.68	58.86	3663.9	155.83
S. Ann Grintum's Colonel 91393 A. R.		D. Signorana's Bessie Belle 157625						
†Sequel's Gift of Homestead 317713	D	175	June	1000.9	4.93	49.34	5970.8	292.94

Moore, Paul, Mr. & Mrs., Hollow Hill Farm, Convent, N. J.								
†Convent Ione 311264	D	294	June	531.3	6.29	33.42	7289.9	409.10
†Convent's A. Fantasy 355966	G	12	Apr	514.4	4.87	25.05		
		43	May	1352.2	4.87	65.85		
		73	June	1247.9	4.96	61.90	3114.5	152.80
S. Gayhead's Amanallah 166073	D. Convent Favorite 284869							
Morris, E. B., Bolton Farm, Bristol, Pa.								
Dimple Sue of Bolton 357474	G	17	May	587.3	5.13	30.13		
		47	June	1067.4	5.13	54.76	1654.7	84.89
S. Pride's Duke of Bolton 163289	D. Dimple Madge of Bolton 272975 A. R. 31794							
Gloria of Bolton 354445	G	17	May	556.2	4.38	24.36		
		47	June	1047.5	4.38	45.88	1603.7	70.24
S. Pride's Duke of Bolton 163289	D. Raider's Dollie of Bolton 280822							
Rosebud of Bolton 319716	E	147	June	1065.0	5.22	55.59	6066.5	298.89
Trixie's Star Tide 344261	F	102	June	916.6	5.95	54.54	3231.3	185.29
Twilight of Bolton 333659	G	317	June	729.5	4.94	36.04	8054.2	365.93
Wanda of Bolton 333658	G	317	June	821.1	4.78	39.25	8964.2	399.82
Mountain, Charles R., "Iowanola," Des Moines, Iowa.								
Annith's Figtree of Iowanola 147031	A	216	May	1189.7	4.63	55.08	10062.6	443.93
Betty's Maid of Iowanola 241162	A	207	May	1209.5	5.13	62.05	9189.4	451.27
Figtree's Dawn of Iowanola 327037	E	192	May	836.9	5.81	48.62	7460.3	401.07
Gracetta of Iowanola 327042	F	238	May	813.4	5.06	41.16	6954.7	356.71
Iowanola Fascination 353901	G	171	May	1011.5	4.59	46.43	5672.9	264.76
Iowanola Fawny 348502	G	194	Apr	717.5	5.85	41.97	5107.2	305.73
Iowanola Floretta 361524	G	167	May	941.2	4.42	41.60	5231.0	232.87
Iowanola Fuschia 362557	G	120	May	845.8	4.33	36.62	3505.5	156.97
Iowanola Lady Finola 350563	G	187	Apr	887.3	4.40	39.04		
		218	May	889.0	4.69	41.69	6471.3	300.67
Mable's Vanity of Iowanola 250248	A	23	Apr	1117.2	3.84	42.90		
		54	May	1631.0	4.13	67.36	2748.2	110.26
S. Cherub's Challenger 70191 A. R.	D. Mable of Iowanola 178724 A. R. 31075							
Senorita Belle of Iowanola 327875	D	18	Mar	712.2	4.56	32.48		
		48	Apr	1345.3	4.30	57.85		
		79	May	1271.3	4.66	59.24	3328.8	149.57
S. Majesty's Jasper of Highland Place 126230	D. Senorita Eloise of Iowanola 225005							
Moyle, I. W., Big Bend, Wis.								
†Surety Dot's Nancy 354318	G	8	Mar	306.0	4.52	13.83		
		38	Apr	1210.9	4.52	54.73		
		69	May	1259.5	4.23	53.28		
		99	June	968.2	3.70	35.82	3744.6	157.66
S. Governor Carteret of the Loop 144117	D. Surety Dot 231561							
†Surety Rosemary 331806	E	69	May	1446.0	3.17	45.84		
		99	June	1149.1	3.80	43.67	4147.6	153.00
National Farm School, The, Farm School, Pa.								
Bellma's Maiden of Farm School 370861	E	331	June	499.5	5.79	28.92	7398.9	384.06
Bertha of Farm School 2d 313344	A	130	June	774.8	4.43	34.32	3766.8	187.28
*Clio's Belle of Farm School 313345	D	249	June	583.5	5.55	32.38	5957.4	309.61
*Cornelia's Ultra Gift 313346	D	130	June	944.9	5.23	49.42	4198.0	215.88
Farm School Belle 345092	F	224	June	381.7	5.83	22.25	4620.6	256.86
*Farm School Bonita 370863	E	31	May	939.8	5.15	48.40		
		61	June	1048.8	4.37	45.83	1988.6	94.23
S. Lu's Bell Boy of Farm School 148088	D. Bonita of Pennbrook 168392							
He'll Do Bonita 342550	G	303	June	786.3	4.74	37.27	8696.0	384.53
*King Masher's Primrose 326628	E	97	June	915.5	6.03	55.20	3217.6	180.59
*Robin Run's Cornelia 161557	A	175	June	1109.6	5.05	56.03	6774.7	347.23
Rose of Farm School 280817	B	252	June	830.9	4.51	37.47	7457.4	363.65
Senator's Maid of Farm School 370864	G	31	May	756.3	4.99	37.74		
		61	June	697.9	4.39	30.64	1454.2	68.38
S. Farm School Senator 201159	D. Bellma's Maid of Farm School 3d 207641 A. R. 24234							
Ultra Bertha of Farm School 342450	G	253	June	564.3	4.75	26.80	5290.9	250.57
Ultra Cornelia of Farm School 345879	F	201	May	523.0	5.43	28.40		
		231	June	471.6	5.16	24.33	4879.9	216.75
*Ultra Mobell of Farm School 196768	A	228	June	609.5	5.04	30.72	5771.2	283.09
Nebraska, University of, Lincoln, Nebr.								
*Grassland Carmoline 291434	B	16	May	565.5	5.48	30.99		
S. Imp. Valentine's Honorable Sequel 51895 A. R.	D. Grassland Idoria 208678 A. R. 24124							
Hilltop Que Vive Frances 286956	C	226	May	422.1	5.90	24.90	4115.7	235.63
Max's Fame of U. Neb. 313487	D	71	May	905.7	5.91	53.53	2382.0	129.41
*Max's Glow of U Neb 321845	E	92	May	1283.2	4.35	55.82	3915.8	178.03
Murrfield Golden Rose 305996	C	126	May	897.5	5.81	52.14	3959.5	223.12
Norcrest Beauty 311907	D	312	May	900.9	6.03	54.32	9210.3	539.66
*Queen Nivolette 2d 325352	D	328	May	85.9	5.75	4.94	7089.8	368.05
Wood Lawn's Glory High 324979	E	145	May	744.4	5.31	39.53	4161.6	222.28
New Mexico College of Agriculture & Mechanic Arts, State College, N. Mex.								
*N. M. A. C. Rose Absolute 314172	D	165	Apr	1132.5	4.78	54.13		
		196	May	1165.2	4.56	53.13		
		226	June	1024.7	4.83	49.49	9658.2	485.36
Nichols, George, Cold Spring Harbor, N. Y.								
†Gallia of Homestead Farm 341114	G	298	June	474.6	6.43	30.52	5304.6	321.64
†Georginet of Homestead Farm 322430	D	88	June	894.6	3.95	35.34	3022.9	114.38
North Dakota Agricultural College, Agricultural College, N. Dak.								
Nakota K. Bell 357298	G	365	June	485.6	4.78	23.21	9264.6	441.2
Nakota K. Maggie 357299	G	365	June	265.6	5.72	15.19	6814.9	365.6
Nakota K. Pride 399215	G	101	June	491.2	5.19	25.49	1856.5	86.05

Osborne, Florence, Osborne Farms, Canton, N. C.								
Haywood Patricia 386977	G	365	May	235.6	5.21	12.27	10739.5	540.5
Osborne, H. Arthur, Osborne Farms, Canton, N. C.								
Lady Gale of Garden Creek 291344	C	273	May	767.2	4.76	36.52		
		303	June	719.4	4.74	34.10	8823.4	414.91
Osborne, M. Louisa, Osborne Farms, Canton, N. C.								
*Azalia of Garden Creek 252952	A	365	May	438.2	4.36	19.11	13482.3	583.5
Evangeline of Garden Creek 388273	F	365	Apr	278.5	5.67	15.79	12369.2	600.1
Luck of Garden Creek 332689	F	246	May	896.3	4.84	43.38		
		276	June	730.4	4.95	36.15	9732.2	439.95
Wilma of Garden Creek 392835	G	119	May	1013.8	4.82	48.87		
		149	June	939.9	5.30	49.81	4798.5	235.03
Ox Bow Farm, Alpena, Mich.								
*†August of Ox Bow Farm 294543	C	201	Apr	939.4	5.36	50.35		
		232	May	910.9	5.55	50.55	7113.6	368.65
†Bay Leaf of Ox Bow Farm 262061	A	213	Apr	777.1	4.95	38.47		
		244	May	728.6	4.47	32.57	6535.4	307.58
*†Cliffs' Leaf of Ox Bow Farm 284471	B	146	Apr	861.4	5.10	43.93		
		177	May	835.9	4.80	40.12	5318.6	261.36
*†Elm Bay of Ox Bow Farm 245744	A	82	Apr	1256.8	4.55	57.18		
		113	May	1197.3	4.45	53.28	4589.5	199.87
*Eunice of Echo Lodge 225610	A	181	Apr	1017.9	5.38	54.76		
		212	May	1052.2	5.50	57.87	6865.0	365.08
†Florence of Ox Bow Farm 221373	A	176	Apr	1079.9	4.40	47.52		
		207	May	1056.3	4.25	44.89	7308.2	306.55
*†Golden June of Ox Bow 243750	A	151	Apr	952.9	4.25	40.50		
		182	May	948.6	4.40	41.74	6187.4	260.07
*†Maple Leaf of Ox Bow Farm 221375	A	115	Apr	1340.0	3.71	49.71		
		146	May	1288.9	3.82	49.24	6668.1	265.59
†Ox Bow Bay's Queen 349415	G	229	Apr	677.5	4.95	33.54		
		260	May	653.9	4.96	32.43	5090.0	221.58
Ox Bow Bay's Rose 349414	G	205	Apr	744.7	4.35	32.39		
		236	May	731.4	4.55	33.28	5066.0	222.01
†Ox Bow Florence Bay 323427	F	213	Apr	737.3	5.00	36.87		
		244	May	753.1	4.90	36.90	5691.6	252.34
Ox Bow King's Leaf 354399	G	17	Mar	482.3	4.80	23.15		
		47	Apr	1002.0	4.49	44.99		
		78	May	1017.0	4.20	42.71	2501.3	110.85
S. King Cherub of Ox Bow Farm 176241	D. Bay Leaf of Ox Bow Farm 262061							
Ox Bow King's Maple 351573	G	3	Mar	54.9	4.40	2.42		
		33	Apr	950.4	4.40	41.82		
		64	May	1023.4	3.58	36.64	2028.7	80.88
S. King Cherub of Ox Bow Farm 176241	D. Maple Leaf of Ox Bow Farm 221375 A. R. 29020							
†Ox Bow Maple Bay 339430	E	18	Mar	594.8	4.75	28.25		
		48	Apr	1092.3	4.95	54.07		
		79	May	986.6	5.19	51.20	2673.7	133.52
S. Bay Cliffs Century 110029 A. R.	D. Maple Leaf of Ox Bow Farm 221375 A. R. 29020							
*†Ox Bow Rex's Queen 338689	E	5	Mar	152.3	4.45	6.78		
		35	Apr	1089.3	4.45	48.47		
		66	May	995.9	4.25	42.33	2237.5	97.58
S. Rex of Ballard Farm 68603 A. R.	D. Queen of Orchard Twist 273992							
†Ox Bow Victor's Augusta 338691	F	77	Apr	909.6	4.00	36.38		
		108	May	899.9	4.25	38.25	3190.5	131.57
*†Pansy Queen of Riverside 231696	A	68	Apr	1067.3	4.51	48.14		
		99	May	1031.8	4.66	48.08	3347.5	153.65
*Pearl of Ox Bow Farm 302736	D	222	Apr	694.0	5.05	35.05		
		253	May	713.7	5.06	36.11	5673.1	279.89
†Pine Cliffs of Ox Bow 264205	A	28	Mar	871.5	5.15	44.88		
		58	Apr	964.5	5.62	54.20		
		89	May	918.3	5.55	50.97	2754.3	150.05
S. Bay Cliffs Century 110029 A. R.	D. Pine Branch of Ox Bow Farm 170372							
*†Queen of Orchard Twist 273992	A	194	Apr	657.8	6.65	37.17		
		225	May	727.1	5.50	39.99	5581.5	301.63
*†Rose of Ox Bow Farm 214976	A	267	Apr	587.8	4.85	28.51		
		295	May	306.2	4.88	14.94	7865.0	325.1
Page, L. A., "Minnewashta Maples," Excelsior, Minn.								
*Maple Crest Hazel 239545	A	165	Apr	894.7	5.33	47.69		
		196	May	887.8	5.55	49.27	7799.5	381.44
Minnewashta Daphne 343387	F	119	May	984.6	5.26	51.79	3841.5	195.88
Minnewashta Flora 333801	F	265	May	622.8	5.90	36.75	6300.1	339.68
Minnewashta Laura 339454	F	114	May	779.7	5.14	40.08	2902.3	145.96
Minnewashta Marjorie 351933	F	109	May	1073.2	5.13	55.06	3688.7	176.33
Minnewashta Westray 303403	C	143	Apr	960.1	5.82	55.88		
		174	May	975.3	5.15	50.23	6403.9	293.49
Page, L. A. & Sons, "Minnewashta Maples," Excelsior, Minn.								
Anchor's Fawn of Minnewashta 325706	F	365	May	501.6	7.00	35.11	10032.3	534.0
Minnewashta Pride's Fawn 347138	F	161	May	1158.7	4.82	55.85	6352.2	277.63
Parnell, Chester A., Elm Summit Farm, Piffard, N. Y.								
†Elm Summit's Emogene 342677	F	65	Apr	736.2	4.58	33.72		
		96	May	733.4	5.05	37.04	2649.2	141.30
†Elm Summit's Gloreta 356798	G	142	May	832.0	5.23	43.51	3913.6	173.52
†Elm Summit's Governess 218499	A	137	May	981.2	4.95	48.57	4498.1	211.18
†Elm Summit's Loretta 342675	F	150	May	770.1	4.80	36.96	4059.9	167.72
†Elm Summit's Minnie 238433	A	203	May	872.9	5.80	50.63	7093.5	376.11

†Elm Summit's Pandora 270561	A	75	Apr	1204.2	3.91	47.08		
		106	May	1040.2	4.60	47.85	4405.1	203.72
†Elm Summit's Sadie 354038	G	120	May	733.0	5.24	38.41	3105.3	143.22
†Florabelle of Elm Summit 285102	A	30	Apr	1302.9	4.62	60.19		
		61	May	1095.9	4.25	46.58	2398.8	106.77
S. Gay Lad of Triple Oaks 111583	D. Fancy's Flora 146285 H. I. 480							
Pelouze, William Nelson, "Alta Vista," Lake Geneva, Wis.								
*Aiyukpa K. Daughter 233737	A	289	June	929.7	5.13	47.69	10060.7	521.65
Foremost May Royal's Loraine 342765	G	201	June	1040.2	4.81	50.03	6781.4	311.23
Foremost May Royal's Pearl 334128	G	299	June	705.3	5.24	36.96	8033.6	384.70
Foremost May Royal's Queen 334127	G	344	June	965.7	5.23	50.51	9984.3	487.04
Foremost May Royal's Thankful 342764	G	204	June	967.5	4.60	44.51	6574.6	297.08
Penney-Gwinn Corporation, J. C., Emmadine Farm, Hopewell Junction, N. Y.								
Imp. Belle Etoile 214912	A	309	June	632.8	5.69	36.01	7601.7	420.56
*Fayroyal's Edwina 249167	A	319	June	961.8	5.82	55.98	10781.1	594.90
*Fayroyal's Gironde 334050	D	365	June	6.7	5.87	.39		
				406.6	4.64	18.87	11642.6	637.8
Foremost Hermosa 355934	F	335	May	842.7	6.53	55.03		
		365	June	840.4	5.84	49.08	10307.9	620.2
Foremost Icon 368721	F	294	June	783.4	6.37	49.90	7948.2	519.29
Foremost Ideal 355936	F	167	June	730.5	5.10	37.26	4403.5	217.07
Foremost Idyllis 355937	G	357	June	943.4	6.07	57.26	11341.5	639.26
Foremost Iladon 376990	G	231	June	769.5	4.70	36.17	7052.1	325.93
Foremost Inspiration 373667	G	260	June	960.0	5.03	48.29	8949.3	464.39
Foremost Issie 382176	G	175	June	900.3	4.70	42.31	5441.1	251.06
*Foremost's Cosquay 197792	A	187	June	778.4	5.38	41.88	5446.0	287.13
*Gay Lad's Cecelia 270197	B	194	June	1053.2	4.97	52.34	7656.7	354.44
Mayprince's Ethyl 247877	A	260	June	838.0	6.09	51.03	8219.7	467.56
*May Royal's Evette 249156	A	326	June	763.1	5.92	45.18	10194.3	555.35
*Mixter Rosella 166973	A	120	June	1105.3	5.21	57.59	4587.4	237.98
*Mixter Royal Crystal 179903	A	265	June	836.7	5.04	42.17	9204.0	426.29
*Resolute's Bella 197790	A	365	June	398.0	6.56	26.11	9873.9	552.0
*Superb's Hawthorne 358762	D	101	June	1183.3	4.96	58.69	4155.9	187.71
*Supreme's Flapper 277113	B	270	June	964.2	5.67	54.67	10207.2	584.39
*Supreme's Glendetta 317310	C	127	June	1127.9	5.03	56.73	5053.0	242.97
*Valor's Belinda 194046	A	303	June	614.2	4.96	30.46	7745.0	386.22
*Valor's Charity 187201	A	154	June	1052.8	4.49	47.27	5342.4	257.40
Valor's Faithful 364627	F	304	May	1211.4	5.58	67.60		
		334	June	1053.2	5.54	58.35	12929.3	694.46
Valor's Flashy Lady 277100	A	327	June	634.8	6.39	40.56	9107.4	518.42
Valor's Ilya 386379	G	105	June	1135.7	5.00	56.79	3922.3	175.76
Valor's Irene 367002	F	260	June	896.4	5.07	45.45	8046.6	404.96
*Westview Violette 164104	A	196	June	1081.0	4.95	53.51	7738.8	364.79
Perkins, George W., Glynwood Farm, Cold Spring, N. Y.								
†Glynwood's Columbine 290787	B	13	Mar	472.2	5.15	24.32		
		43	Apr	1283.2	4.64	59.54		
		74	May	1089.6	4.79	52.19	2845.0	136.05
S. Neptune Good Boy 137397 A. R.	D. June Rose of Oakhurst 178316 A. R. 25523							
†Glynwood's Golden Aster 310618	E	263	May	700.7	5.41	37.91	7097.5	357.37
*†Glynwood's Honeysuckle 309925	E	258	May	964.7	4.03	38.88	8907.0	356.89
†Glynwood's Ivy 323283	C	305	May	197.1	5.34	10.53	7893.3	375.4
†Glynwood's Mountain Laurel 353201	G	224	May	769.3	5.15	39.62	5861.1	280.68
*†Glynwood's Orchis 310617	C	4	Mar	143.8	4.38	6.30		
		34	Apr	1452.7	4.65	67.55		
		65	May	1434.3	4.07	58.38	3030.8	132.23
S. Tarbell Farms Traveler 148377 A. R.	D. Brookside Nydia 172178							
†Glynwood's Rhododendron 352591	G	102	Apr	793.3	4.77	37.84		
		133	May	577.8	5.01	28.95	3396.5	164.63
†Glynwood's Star Flower 346141	G	227	May	873.2	5.10	44.53	6279.5	306.71
†Lamoka Slope's Princess 225048	A	18	Apr	591.2	4.39	25.95		
		49	May	1063.5	4.92	52.32	1654.7	78.27
S. Lena's Lad of Sunnygables 97714	D. Golden May Rose's Gold Drop 76114							
Phillips, T. Redfield, Phillips Farm, Montpelier, Vt.								
Phillips Cream Cup 343471	G	283	May	849.4	5.22	44.34	8422.7	428.33
*Phillips Princess 273945	B	352	Apr	311.7	5.99	18.67		
				543.0	5.92	32.15		
		365	May	359.6	5.92	21.29	12930.6	712.7
Phillips Ultra Mabel 359145	G	160	May	752.0	5.41	40.68	4468.3	230.07
Phillips Vrangue 343470	F	260	May	743.4	6.00	44.60	6931.7	383.12
Pierce, A. J., Edgerton Farm, Bennington, N. H.								
†Edgerton's Sentinel Charity 342069	F	211	May	645.3	4.89	31.56		
		241	June	564.3	4.79	27.03	6241.9	268.48
†Edgerton's Sentinel Rose 342070	F	264	May	641.8	4.96	31.83	6183.8	279.61
Post, George B., Kenilwood Farms, Bernardsville, N. J.								
*Florham Jonquille 297312	C	296	June	975.8	3.69	36.01	13007.8	507.70
Imp. Victor's Ena of the Gree 358455	C	341	June	603.4	4.37	26.37	10241.8	423.77
Potts Memorial Hospital, The, Livingston, N. Y.								
†Fellowship's Royal Sunshine 342750	G	300	June	630.8	5.42	34.19		
		305	July	91.0	5.33	4.85	7460.2	372.4
Gayhead's Queen Louise 333811	E	364	June	795.9	4.84	38.52		
		365	July	27.0	4.84	1.31	11776.4	537.4
Pratt, J. L., Sherwood Forest Farm, Fredericksburg, Va.								
Goodstone's Francois' Dimple 347540	F	84	May	1061.0	4.47	47.43	2873.1	133.08
*Morven's Victoria Violet 254252	A	132	May	1293.4	4.00	51.74	6113.9	259.83

*Rockingham Darling 303508	A	215	May	1256.3	4.30	54.02	9891.5	424.73
Royal Queen of Sherwood 335098	E	130	May	1036.0	4.91	50.87	4784.2	219.84
Sherwood Forest's Arrogant Kay 354790	G	121	May	1100.7	4.90	53.93	4310.2	192.22
Sherwood's Mae Belle 335097	E	81	May	1244.8	3.77	46.93	3215.4	125.47
Sherwood's Nancy Elms 341553	G	206	May	1006.7	4.20	42.28	6797.3	287.85
Price, S. C., Coldspring Farm, Saint Johns, Pa.								
†Coldspring's Clara Louise 289730	C	203	May	1433.9	4.75	68.11	10228.4	497.98
Coldspring's French Lady 284512	B	182	May	1246.6	4.93	61.46	8010.1	377.95
Coldspring's Independence 332377	F	206	May	1154.7	4.80	55.43	7919.3	368.29
Rabb, L. E., Mrs., Lenoir, N. C.								
Highboy's Mary Lue 353580	G	93	May	1097.4	4.44	48.72		
		123	June	1004.9	5.20	52.25	4319.4	210.91
Raskob, Helena S., Pioneer Point Farm, Centerville, Md.								
*Blossom of Pioneer Point 323159	E	167	May	1112.0	5.10	56.71		
		197	June	1029.0	5.01	51.55	8191.5	374.02
*Ding Dong of Pioneer Point 260528	A	249	May	1034.2	5.95	61.53		
		279	June	895.9	5.59	50.08	8937.7	489.10
*Dividend of Pioneer Point 274442	B	282	May	772.3	6.35	49.04		
		312	June	683.5	6.53	44.63	8307.9	491.86
Eva's Bud of Pioneer Point 335218	G	365	May	697.5	5.30	36.97	10647.6	503.0
*†Maggie's Snowdrop 291368	C	112	May	1983.1	4.55	90.23		
		142	June	1792.5	4.50	80.66	9660.3	431.77
†Mopsey's Lady of Pioneer Point 355572	G	10	Apr	342.4	4.75	16.26		
		41	May	1074.2	4.75	51.02		
		71	June	967.8	4.35	42.10	2384.4	109.38
S. Brown Derby of Pioneer Point 161410	D. Mopsey's Eva of Pioneer Point 226807 A. R. 26923							
*Pearl of Bloomfield 260530	A	179	May	1134.8	6.10	69.22		
		209	June	1038.4	5.61	58.25	9622.1	548.61
Reveille of Pioneer Point 310886	D	140	May	1039.9	5.20	54.07		
		170	June	875.1	4.64	40.60	5837.1	280.28
Sunlight of Pioneer Point 323158	D	163	May	818.1	5.54	45.32		
		193	June	639.5	5.22	33.38	5698.6	304.50
Rasmussen, Th., M. & R. Guernsey Dairy Farm, Eagle River, Wis.								
Butter Belle of M-R Dairy Farm 347832	F	97	June	989.1	5.01	49.55	3261.8	152.40
Queenie of M-R Dairy Farm 347833	G	232	June	825.0	5.43	44.80	6653.2	337.02
Rasmussen, Th. & Matthiesen, W., M. & R. Guernsey Dairy Farm, Eagle River, Wis.								
Alda of Eagle River 318665	C	115	June	1081.6	4.72	51.05	4284.9	194.49
Mound View Ethel 295868	A	138	June	1273.0	4.29	54.61	5894.0	238.87
Mound View Raggedy Ann 295871	B	103	June	1166.3	4.44	51.78	4092.5	180.41
My Valentine Girl of Mr. Dairy 344403	F	224	June	1002.4	4.97	49.82	7298.5	347.63
Rawlings, F. B., Meadow Vista Farm, Sandersville, Ga.								
Redoubtable's Helen of M. V. 377090	F	313	June	839.6	4.51	37.87	9688.3	420.91
Uhlan's Cherub Daisy of M. V. 377091	F	349	June	944.6	4.94	46.66	12089.2	597.13
Uhlan's Red Tulip of M. V. 377092	G	365	June	668.3	4.44	29.67	11385.5	540.9
Rea, Henry R., Mrs., "Farmhill," Sewickley, Pa.								
*Beechwood Janet 257378	A	75	May	2023.7	4.55	92.08		
		105	June	1572.2	4.50	70.75	6099.1	292.25
Daphne of Farmhill 325319	E	107	May	1206.5	4.47	53.93		
		137	June	1089.2	4.57	49.78	5200.4	227.20
Dawn of Farmhill 325322	E	73	May	1224.5	4.42	54.12		
		103	June	1105.2	4.90	54.15	3949.3	183.42
Efollifoot Ida 357456	G	143	May	1007.7	4.30	43.33		
		173	June	932.8	4.93	45.99	5752.3	259.10
Jeannette of Farmhill 344526	G	335	May	1065.5	5.00	53.28		
		365	June	754.2	4.89	36.88		
				256.0	3.64	9.32	13947.0	630.7
*Queen Ann of Wolf Creek 220764	A	107	May	1562.9	4.10	64.08		
		137	June	1370.3	4.54	62.21	6898.4	304.57
Sunshine of Farmhill 325321	E	23	Apr	964.8	4.80	46.31		
		54	May	1214.2	5.01	60.83		
		84	June	1071.0	5.35	57.30	3250.0	164.44
S. Imp. Archer of Cloture 133486 A. R.	D. Daylo Sunbeam 170679 A. R. 29339							
Renwick, Harold, Newberry, S. C.								
Genoise's Golden Queen 344919	A	115	June	968.1	4.13	39.98	3762.5	150.38
Renwick, J. S., Jr., Newberry, S. C.								
Victor's Cavalier Lada 344920	E	4	Apr	125.9	4.23	5.33		
		35	May	1050.8	4.23	44.45		
		65	June	921.9	4.37	40.29	2098.6	90.07
S. Marmion's Noble Victor 163890	D. Genoise's Grapelawn Pride 344918							
Reynolds, Dorrance, Goodleigh Farm, Dallas, Pa.								
†Goodleigh Bluebell Ilet 336495	F	182	May	626.1	5.06	31.68	4511.9	223.97
Goodleigh Flossie Lenore 331383	F	180	May	1210.6	4.69	56.78	7193.7	347.87
Goodleigh-Glade Girl Lottie 336496	F	155	May	1164.1	4.69	54.60	5915.9	307.85
Goodleigh-Green Valley-Glen 328804	G	330	Apr	126.7	5.87	7.44		
				55.7	6.10	3.40		
		361	May	867.1	6.10	52.89	8387.3	452.25
†Goodleigh Groignet of Bruser 324648	E	173	May	976.3	4.75	46.37	5687.2	279.59
Goodleigh's Sunlight 347783	G	198	May	863.7	4.44	38.35	5804.5	265.85
*Rosie of Goodleigh 251224	A	334	Apr	684.0	5.27	36.05		
		365	May	738.9	5.20	38.42	11590.1	531.7

Rice, H. L., Fox Run Farm, Peterboro, N. H.								
Fox Run Bloom 340880	F	226	May	712.9	5.50	39.21		
		256	June	727.7	5.83	42.42	6154.3	333.62
Fox Run Promise 345104	G	247	May	617.5	5.66	34.95		
		277	June	604.9	5.83	35.27	5498.9	305.16
Ridgly, W. Silas, "Ridglydale," Casner, Ill.								
Betty Jeane of Melvindale 299299	C	162	May	940.8	4.62	43.46		
		192	June	841.9	5.18	43.61	6228.7	293.18
Ridglydale's Monarch's Ema 363590	G	125	May	1014.8	4.92	49.93		
		155	June	910.8	5.12	46.63	5219.9	259.51
Ridglydale's Nancy Lula 363591	G	92	May	938.7	5.01	47.03		
		122	June	817.3	5.09	41.60	4001.9	195.94
Ridglydale's Nancy Lulu 363592	G	106	May	1156.4	4.56	52.73		
		136	June	978.0	4.54	44.40	4896.9	215.32
Roddey, J. B., Roddey Guernsey Farm, Columbia, S. C.								
Gold Raider's Gertrude 331548	E	312	Apr	546.9	5.06	27.67		
		343	May	581.0	5.30	30.79	6745.4	353.43
Gold Raider's Milkmaid 325506	F	335	May	735.0	4.32	31.75	7679.8	323.38
Mota's Boy's Belle 319794	A	103	May	984.2	5.09	50.10	3628.1	189.61
Roosevelt, Nicholas G., Gippy Plantation, Moncks Corner, S. C.								
Holly's Gippy Beauty 326480	F	365	Mar	123.4	7.02	8.66	8236.0	480.4
Poheja's Sunny Moneymaker 335746	G	340	Mar	650.6	4.69	30.51		
		365	Apr	508.3	5.39	27.40	9212.9	418.4
Rueping, F. J., Corium Farm, Fond du Lac, Wis.								
Corium Pride's Lillyrose 314119	E	361	June	368.3	5.58	20.55	9614.0	484.97
Corium Slogan's Mirth 359124	G	207	June	1057.5	5.33	56.36	7456.8	372.77
Corium Ultjuan Luna 329083	D	10	Apr	443.8	4.88	21.66		
		41	May	1536.9	4.88	75.00		
		71	June	1421.8	4.45	63.27	3402.5	159.93
S. Corium Ultimas' Juan 160863	D. Corium Pride's Honoria 226388 A. R. 24709							
Russell, B. F. W., Old Town Farm, Peterboro, N. H.								
*†Milkmaid of Old Town Farm 213211	A	4	Mar	110.1	5.25	5.78		
		34	Apr	1137.9	5.25	59.74		
		65	May	1268.9	5.14	65.22		
		95	June	1192.1	4.82	57.46	3709.0	188.20
S. Brookmead's Royal Stars and Stripes 65684	D. Nerissa of Old Town Farm 111773							
†Tulip of Old Town Farm 340401	G	168	May	722.1	5.01	36.18		
		198	June	771.9	5.24	40.45	5080.8	261.04
Russell, James E., Glenburnie Farm, Trenton, N. J.								
*†Glenburnie Golden 238419	A	121	June	1173.7	5.80	68.07	5344.1	292.14
†Glenburnie Irenette 396538	G	165	June	701.5	6.11	42.86	4339.3	265.28
†Glenburnie Lucinda 372177	F	60	June	1145.8	5.12	58.66	2380.8	113.99
†Glenburnie Maid 372612	G	196	June	714.4	4.88	34.86	5374.6	285.19
Glenburnie Nokomis 337639	G	365	June	25.8	5.41	1.40	10381.6	547.4
Glenburnie Princess 372173	E	100	June	1264.4	4.86	61.45	4521.2	216.37
*Glenburnie Princess Hera 276788	A	21	Apr	1163.7	4.09	47.60		
		52	May	1780.4	4.09	72.82		
		82	June	1515.1	4.45	67.42	4459.2	187.84
S. Imp. Dunwalk Lad 113342 A. R.	D. Glenburnie Eastern Queen 193211 A. R. 22476							
†Glenburnie Sweet Brier 372176	F	226	June	1077.9	5.54	59.72	8792.2	437.62
Salsbury, B. F., Willowmere Farms, Fairfax, Va.								
Willowmere Marthe 234094	A	339	May	977.7	4.53	44.29	11924.8	528.15
Saltonstall, Richard, Charlescote Farm, Sherborn, Mass.								
Hilltop Bonny Rose 348408	G	165	May	931.7	5.32	49.57	5133.1	247.72
Hilltop Governor's Lassie 352968	G	111	May	956.4	4.58	43.80	3395.5	145.75
Imp. Le Friquet's Queen II. 358454	C	173	Apr	931.0	7.22	67.22		
		204	May	930.6	6.01	55.93	7767.9	445.00
Scudder, Julia R., Mrs., Scudder Ranch Dairy, Yakima, Wash.								
Regina May 294317	A	220	June	707.9	5.04	35.68	6065.5	311.12
†Scudder Ranch Beautice 401803	G	159	June	747.2	5.14	38.41	4145.7	202.69
†Scudder Ranch Celice Van 401802	G	141	June	684.8	4.95	33.90	3532.3	151.97
†Scudder Ranch Delia Van 374006	D	198	May	785.4	5.13	40.29		
		228	June	747.9	5.50	41.13	6201.2	341.96
Shoemaker, Ellen W., "Burnside," Eccleston, Md.								
†Faustina of Woodlands 2d 255258	A	17	May	680.4	5.89	40.08		
S. Penuchie's King 115766	D. Faustina of Woodlands 66414							
†Faustina of Woodlands 3d 301650	C	148	May	1106.4	5.78	63.95	6349.9	345.02
Gracieuse Gloriana 325848	F	353	May	716.8	5.90	42.29	10593.1	574.49
Merry King's Larkspur 336717	F	243	May	504.1	5.55	27.98	6128.7	327.10
†Merry King's Lavender 346503	F	152	May	858.4	4.99	42.83	4731.5	226.84
†Merry King's Millie 318466	D	78	May	942.5	4.55	42.88	2767.9	125.74
†Nom de Memories 346504	G	152	May	821.7	5.34	43.88	4670.4	252.83
†Nom de Procris 3460505	F	61	May	1141.1	4.74	54.09	2299.0	104.46
†Rose King's Procris 322883	D	131	May	960.7	4.34	41.69	4933.2	218.23
†Rose King's Velvet 354217	F	141	May	1071.4	5.14	55.07	5072.0	234.13
*†Souvenir's Lavender 299374	C	151	May	1072.1	4.74	50.82	6288.8	301.19
Shore, M. F., Grassy Grove Guernsey Farm, Cycle, N. C.								
*Hartzell's Gertrude's Verarose 230986	A	335	May	1217.8	5.83	71.00		
		365	June	1226.8	6.08	74.59	16078.5	943.6
Lady Dolly Mae 345525	F	187	May	1216.2	5.08	61.78		
		217	June	1184.7	5.78	68.48	8960.9	469.53

Patsy Ann Rose 345524	G	363	May	739.5	6.25	46.22		
		365	June	52.5	6.25	3.28	10319.2	606.0
Smyth, Henry Lloyd, Home Hill Farm, Plainfield, N. H.								
Ada of Home Hill 350421	G	150	June	918.2	5.35	49.12	4772.6	248.04
*Anotinette of Home Hill 297608	C	175	June	1010.0	5.47	55.25	6965.8	364.56
Edna of Home Hill 349342	F	10	Apr	316.3	4.40	13.92		
		41	May	1216.6	4.40	53.53		
		71	June	1190.5	4.22	50.24	2723.4	117.69
S. Sunnyvale Masterpiece 110686 A. R.	D. Emma of Home Hill 225654 A. R. 32594							
*Emma of Home Hill 225654	A	166	June	1006.8	5.68	57.19	7027.0	383.05
Eva of Home Hill 297047	D	331	June	725.0	4.46	32.34	10152.2	535.17
Matilda of Home Hill 313016	D	277	June	631.9	4.65	29.38	8929.7	437.46
Melissa of Home Hill 313015	D	289	June	1005.9	4.48	45.06	10340.6	474.22
Sorensen, Charles E., Cesor Farms, Farmington, Mich.								
Bournedale Judy 320004	D	199	June	1092.3	4.47	48.83	7796.4	347.87
Bournedale Lady Violetta 357434	G	125	June	870.5	4.77	41.52	3709.3	179.68
Bournedale Rose Petal 359180	G	102	June	1011.9	4.68	47.36	3627.9	155.90
Bournedale Veronica 364436	G	113	June	1085.1	4.25	46.12	4209.5	171.93
General's Narcissus 278562	A	76	June	1431.9	3.95	56.56	3754.7	145.06
Maherwood Beatrice 349661	G	144	June	1023.1	4.34	44.40	5192.4	246.81
Maherwood Diana 349654	G	216	June	935.8	5.49	51.38	7111.6	408.17
Maherwood Luxury 337653	F	204	June	1029.2	5.23	53.83	7004.5	354.74
Sunnyside's Combination 270224	A	220	June	1230.9	3.65	44.93	10015.1	371.28
Sunnyside's Donette 333527	D	113	May	1332.7	3.93	52.38		
		143	June	1276.5	3.82	48.76	6208.5	240.08
Wendmere Combination 357040	G	120	May	1022.1	4.34	44.36		
		150	June	938.2	4.23	39.69	4977.0	212.65
Wendmere Millicent 263901	A	220	June	983.8	3.65	35.91	7623.4	317.23
Speidel, Joe, Jobetty Farm, Elm Grove, W. Va.								
†Jobetty's Beulah 352586	F	182	May	798.4	4.84	38.64	4549.2	229.35
†Jobetty's Bossie 352555	F	31	Mar	741.7	4.44	32.93		
		61	Apr	660.9	4.65	30.73		
		92	May	654.6	4.50	29.46	2057.2	93.12
S. Jobetty's Chief 191054	D. Jobetty's Lassie 261987 A. R. 29235							
†Jobetty's Maranda 324341	D	134	May	738.5	4.60	33.97	3282.5	149.84
†Jobetty's Marianna 336042	E	30	Mar	831.9	4.55	37.85		
		60	Apr	800.9	4.65	37.24		
		91	May	851.9	4.50	38.34	2484.7	113.43
S. Jobetty's Demonstrator 154715	D. Jobetty's Marie 336041							
*†Jobetty's May Rose 288032	B	243	May	754.0	4.54	34.23	5939.2	274.82
†Jobetty's Queen 308159	C	98	May	939.7	4.50	42.29	3072.8	139.80
Sprague, Isaac, Jr., Upwey Farm, Wellesley Hills, Mass.								
†Planet's Dairy Lass 394758	D	91	June	1217.0	4.44	54.03	4083.6	174.91
Planet's Rose Blossom 392282	E	292	June	927.0	4.58	42.46	9989.2	446.04
†Warrior's Aster of Upwey 393442	D	22	May	802.3	4.15	33.30		
		52	June	1093.6	4.15	45.38	1895.9	78.68
S. Topsy's Warrior 141691	D. Planet's Cherry of Green Road 263347 A. R. 30951							
†Warrior's Valentine 394759	D	61	June	1321.6	5.53	73.08	2701.2	143.72
Stangel, F. H., Shamrock Farm, Sherwood, Oregon.								
†Fanny's Rival's Flora of Middale 235289	A	26	May	977.3	4.10	40.07		
S. Rival's Judge 79283	D. Fanny of Randle Creek Farm 145119							
Stangel, Richard, Shamrock Farm, Sherwood, Oregon.								
†Shamrock Prue 268288	A	7	Apr	279.9	4.30	12.04		
		38	May	1151.0	4.30	49.49	1430.9	61.53
S. Cascade Western King 121654	D. Shamrock Daisy's Pet 218010							
Starr, E. C., Starr Farm, East Claridon, Ohio.								
†Beauty of Starr Farm 347615	G	203	Mar	447.4	5.63	25.19		
		233	Apr	434.5	5.94	25.81		
		264	May	431.8	5.51	23.79	4459.2	242.53
†Daisy's Pride of Starr Farm 317063	D	163	Mar	559.3	5.29	29.59		
		193	Apr	525.0	5.11	26.83		
		224	May	589.3	4.64	27.34	4900.4	231.44
†Gold Drop of Starr Farm 347616	G	201	Mar	584.9	5.13	30.01		
		231	Apr	551.8	5.15	28.42		
		262	May	637.5	4.89	31.17	5721.4	284.40
†Goldie of Starr Farm 211081	A	197	Mar	646.7	5.17	33.43		
		227	Apr	618.9	5.11	31.63		
		258	May	789.3	5.00	39.47	6927.4	327.15
†Rose Leaf of Starr Farm 319961	E	178	Mar	877.6	5.09	44.67		
		208	Apr	739.6	5.39	39.86		
		239	May	824.8	5.00	41.24	7297.4	352.81
†Rosette of Starr Farm 348566	G	198	Mar	599.3	5.08	30.44		
		228	Apr	531.1	5.16	27.40		
		259	May	639.1	4.95	31.64	5802.6	286.31
Stevens, L. B., Shoreland Farm, Oconomowoc, Wis.								
*†Shoreland Clementine 2d 319867	A	167	May	1066.2	5.18	55.23	7097.9	337.21
*†Shoreland Cloe 296225	A	305	May	58.1	5.37	3.12	6302.9	294.0
*†Shoreland Dairy Lass 263476	A	273	May	688.6	4.85	33.40	9761.2	436.37
*†Shoreland Dairymaid 2d 327133	B	305	May	495.9	5.29	26.23	8074.9	383.8
†Shoreland Felice 366264	G	146	May	635.2	5.62	35.70	3235.0	159.30
*†Shoreland Holly Spray 351359	C	6	Apr	180.5	4.30	7.76		
		37	May	1096.2	4.30	47.14	1276.7	54.90
S. Abba Herald 143415 A. R.	D. Shoreland Glenwood Girl 262903 A. R. 24849 H. I. 497							
*†Shoreland Katina 2d 290092	A	305	May	52.4	5.70	2.99	6920.2	326.2

*†Shoreland Meadow Sweet 339936	C	305	May	367.6	6.75	24.81	8483.2	460.9
*†Shoreland Miss Nancy 315233	A	205	May	737.6	5.05	37.25	6443.3	316.32
†Shoreland Morning Star 394796	G	146	May	700.7	4.69	32.86	3888.4	167.73
*†Shoreland Nanette 342625	C	192	May	707.7	5.65	39.99	5890.8	299.47
Shoreland Nanette 2d 391937	G	251	May	595.8	5.95	35.45	5369.7	272.52
*Shoreland Princess 155325	A	276	May	727.5	4.91	35.72	8523.8	381.04
†Shoreland Princess Fairy 366265	G	273	May	391.6	6.65	26.04	4983.4	255.51
*†Shoreland Princess Fanny 339937	D	266	May	858.3	5.29	45.40	8537.3	392.27
*Shoreland Princess Mary 322515	B	266	May	554.2	4.95	27.43	6141.2	300.47
*†Shoreland Prudence 169287	A	292	May	436.1	5.95	25.95	6886.0	354.06
†Shoreland Prue 366266	G	249	May	132.8	6.00	7.97	3870.8	189.22
†Shoreland Sally 398842	G	102	May	680.3	4.72	32.11	2509.1	111.43
†Shoreland Sheila 341697	E	47	May	1337.9	4.33	57.93	1985.5	83.83
*†Shoreland Silvianna 352416	C	31	May	1356.3	3.94	53.44		
S. Shoreland Glenwood Champion 165655 A. R.		D. Shoreland Sirena 2d 293390 H. I. 511						
*Shoreland Sirena 2d 293390	A	175	May	867.7	4.90	42.52	6073.5	282.31
*†Shoreland Star Light 342624	B	251	May	791.7	4.98	39.43	9082.8	395.50
Stone, Carrie M., Great Hill Farm, Marion, Mass.								
Great Hill's Kathleen 361756	G	76	May	1030.5	4.80	49.46		
		106	June	918.8	5.28	48.51	3414.8	168.18
Great Hill's Kudu 344720	G	265	May	930.4	5.13	47.73		
		295	June	847.3	4.95	41.94	9221.0	465.43
Great Hill's Panga 328010	D	17	May	612.3	4.44	27.19		
		47	June	1165.5	4.44	51.75	1777.8	78.94
S. Langwater Prior 115854 A. R.		D. Great Hill's Marietta 234764 A. R. 26092						
Great Hill's Perfection 354708	G	171	May	923.1	5.75	53.08		
		201	June	842.5	4.76	40.10	6094.0	307.21
Taber, H. E., Est., "Taberlea," Castile, N. Y.								
*Reservation Sappho 309922	D	298	June	549.8	5.35	29.41	10017.5	502.55
Tenney, Daniel G., Greycourt Farm, Methuen, Mass.								
*†Imp. Rockingham Rosette 362814	D	279	May	654.7	5.27	34.50	7510.9	382.59
Tenney, Daniel G., Rockingham Farm, Salem, N. H.								
*Rockingham Francaise 256675	A	365	May	712.9	5.69	40.56	14200.5	769.4
*Rockingham Hopeful 354045	D	365	May	468.4	6.09	28.53	11356.2	656.4
*Rockingham Princess 341443	C	242	May	1285.5	4.62	59.39	10204.7	474.31
Rockingham Princess Garnet 385106	F	326	May	929.9	4.84	44.96	10154.4	476.46
Rockingham Princess Myrtle 396867	F	138	May	1014.5	4.64	47.07	4469.1	185.54
*Rockingham Rosebud 348554	B	16	Apr	746.4	4.24	31.65		
		47	May	1428.4	4.24	60.56	2174.8	92.21
S. Holliston's Slogan of Rockingham 114355 A. R.		D. Rockingham Wild Rose 256676 A. R. 24127						
*Rockingham Royal Lil 370946	E	81	May	1481.0	4.65	68.87	3900.5	171.88
Rockingham Star Flower 389737	G	261	May	758.1	5.60	42.45	6856.5	375.18
*Rockingham Twilight 316681	A	365	May	966.8	5.20	50.27	16020.8	803.2
*Rockingham Ultra Girlie 369498	D	151	May	1215.6	4.97	60.42	6259.9	320.93
Rockingham Ultra May Rose 403078	G	30	Apr	1293.6	4.17	53.94		
S. Rockingham Ne Plus Ultra 165452 A. R.		D. Rockingham Rosebud 348554 A. R. 31403						
*Rockingham Ultra Sweet 362815	D	212	May	772.6	5.82	44.97	6249.1	322.64
Terry, W. C., Hon Terra Farms, Catskill, N. Y.								
Fawn of Linden 222669	A	204	Apr	984.2	5.82	57.28		
		235	May	931.3	6.57	61.19	8435.8	478.74
*Lady Win of Hon Terra 275669	A	17	Mar	855.5	3.53	30.20		
		47	Apr	1674.6	3.53	59.11	2530.1	89.31
S. Noble of White Farms 126484		D. Ultra Lady Fern of Sepascot 155925 A. R. 20570						
Susan of Hon Terra 362889	E	259	Apr	560.5	5.56	31.16		
		290	May	534.1	5.93	31.67	8518.9	419.58
Ultra May Rose of Hon Terra 289331	B	13	Mar	538.9	3.53	19.02		
		43	Apr	1415.6	3.53	49.97	1954.5	68.99
S. Paramount's Knight 132278		D. Paramount's Ultra May Rose 165766						
Worthy Alice of Hon Terra 297694	D	351	Apr	826.3	5.37	44.37		
		365	May	329.3	5.37	17.68	14497.7	706.1
Thayer, A. D., Gwynllan Farm, Gwynedd Valley, Pa.								
Aiyukpa Molly 339776	F	149	May	867.2	4.76	41.28	4275.0	211.91
Dawn of Gwynllan Farm 397352	G	112	May	810.9	4.61	37.38	3133.6	141.22
Della of Gwynllan Farm 312303	C	149	May	928.9	5.05	46.91	4803.5	261.77
Gift of Gwynllan Farm 321748	E	141	May	949.6	5.75	54.60	4807.8	257.72
Goldenrod of Gwynllan Farm 321749	E	141	May	906.0	5.53	50.10	4813.2	252.54
Hazel of Gwynllan Farm 407290	G	19	May	428.3	3.62	15.50		
S. Coventry Molly's Slogan 169984		D. Pauline of Gwynllan Farm 308698						
*Langwater Spritely 284007	A	157	May	1060.9	4.58	48.59	5846.3	267.64
Millicent of Gwynllan Farm 408193	G	31	May	896.2	3.27	29.31		
S. Valor's Valiant 179867		D. Millicent of Sherwood 143662 A. R. 29347						
Pauline of Gwynllan Farm 308698	C	108	May	1035.5	3.84	39.76	4122.4	165.17
Rosa of Gwynllan Farm 397354	G	98	May	735.7	5.35	39.36	2436.1	125.21
Rose of Gwynllan Farm 397353	G	131	May	750.5	5.20	39.03	3398.1	178.69
Tiny of Gwynllan Farm 397351	G	150	May	787.3	5.62	44.25	3821.1	228.55
Imp. Violet of Gwynllan Farm 397349	G	145	May	1081.9	3.70	40.03	5368.8	218.49
Thompson, A. A., Oak Hill Estate, Uniontown, Pa.								
Friendship E. Vera 293370	C	285	May	1176.8	4.82	56.72	11632.5	555.38
*†Friendship K. Belle 245480	A	176	May	1487.8	4.60	68.44	9140.4	413.14
Friendship V. C. Princess 364967	G	154	May	1190.9	3.92	46.68	5774.8	231.99
Friendship V. C. Vera 397626	G	227	May	1218.8	4.63	56.43	9441.3	421.59
Tree, Ronald, "Mirador," Greenwood, Va.								
*†Duchess of Mirador 315274	D	227	May	793.7	4.64	36.83	6884.4	298.72

†Ella of Mirador 363437	G	129	May	774.8	5.60	43.39	3627.0	185.75
*†Elva of Mirador 210267	A	145	May	938.8	5.79	54.36	5059.9	287.27
*†Elva's Ann of Mirador 323127	E	181	May	668.8	6.00	40.13	5560.8	313.98
*†Fanny's Girl of Mirador 297112	B	29	Apr	1509.2	4.01	60.52		
		60	May	1546.9	4.11	63.58	3056.1	124.10
S. Fanchon's Sentry of Linda Vista 67643 A. R.		D. Imp. Fanny's Girl of Melrose 167733 A. R. 19926						
†Flower Girl of Mirador 2d 364389	G	16	Apr	455.1	4.78	21.75		
		47	May	1045.7	4.70	49.15	1500.8	70.90
S. Rubella's Sentry of Mirador 183665		D. Flower Girl of Mirador 314536 A. R. 31441						
†Gold Cup's Langlois of Mirador 349632	G	305	May	254.3	5.75	14.62	3776.5	194.9
*†Lily of Mirador 2d 323128	E	241	May	630.7	6.33	39.92	5748.8	310.81
†Majesty's Rosebud 341151	F	272	May	413.3	6.04	24.96	3983.3	230.81
†Mirador's Rubella Ann 349625	G	212	May	430.0	6.09	26.19	3389.9	186.47
*Imp. Noel of Middle Blaye 241588	A	129	May	1877.2	4.00	75.09	8634.2	323.44
*†Noel of Mirador 291276	C	71	May	1421.1	4.81	68.35	3558.0	161.44
*†Patience's Blossom Girl 314537	D	244	May	836.0	4.55	38.04	7839.7	346.19
†Ringdove's Jane of Mirador 349629	G	147	May	697.3	4.65	32.42	3636.4	157.25
*†Ringdove's Jenn of Mirador 323131	E	183	May	799.5	5.19	41.49	5607.7	282.81
*Sentry's Rubella of Mirador 247910	A	100	May	944.7	5.31	50.16	3580.3	180.52
†Topsy's Bessie of Mirador 349631	G	276	May	335.6	6.09	20.44	3421.6	181.22
Tuttle, Howard B., Est., Biscoe Farm, Middlebury, Conn.								
Biscoe Inez 387873	G	365	June	489.1	6.08	29.74	9194.0	512.4
Licodia Lenfestey 391920	F	286	June	873.1	5.63	49.16	9018.2	471.19
Valley Gem Farms, Arlington, Wash.								
*Valley Gem Earnestine 285090	B	200	May	826.5	4.28	35.37	6683.7	317.25
*Valley Gem Eloquent Nancy 267187	A	29	Mar	1124.6	4.65	52.29		
		59	Apr	1162.6	4.27	57.78		
		90	May	1100.6	5.08	55.91		
		120	June	918.8	4.82	44.29	4306.6	210.27
S. Holliston Elect of Rockingham 106621 A. R.		D. Nancy of Birchwood 69608 A. R. 8899						
*Valley Gem Elsie 299395	C	211	May	833.7	5.49	45.77		
		241	June	747.9	5.26	39.34	7931.2	404.40
*Valley Gem Perella 209582	A	261	May	941.0	4.55	42.82	9848.6	491.32
Vermont Agricultural Experiment Station, Burlington, Vt.								
U. V. M. Irene 326474	D	26	May	1278.0	5.41	69.14		
S. Florham Athlete 145048 A. R.		D. Warrior's Big Baby of Mountain View 212430						
U. V. M. Lilac Delight 348870	G	246	June	771.7	5.58	43.06	6818.5	356.21
Virginia Polytechnic Institute, Blacksburg, Va.								
V. P. I. Actor's Cassie Friend 299388	C	240	May	1333.9	4.60	61.36		
		270	June	1288.8	4.30	55.42	12366.7	493.24
Walker, Charles C., "Woodholm," Manchester, Mass.								
*†Aiyukpa L. Girl 321307	D	141	May	943.5	5.22	49.25	4822.9	249.51
†Langwater Angulosa 327072	D	155	May	778.6	5.43	42.28	4359.7	233.46
*†Langwater Ceres 307377	C	133	May	843.3	6.03	50.85	4364.5	234.12
†Langwater Cherry Bloom 351412	E	15	Apr	529.1	5.23	27.67		
		46	May	1073.3	5.23	56.13	1602.4	83.80
S. Langwater Pharaoh 98719 A. R.		D. Golden Cherry of Prospect Farm 74012 A. R. 8624						
Walker, G. B., Stoneville, Miss.								
Atlasta Royal Duchess 217320	A	85	May	1698.8	3.92	66.59	4573.1	183.75
*Buttercup of Hamhurst 302887	A	77	May	1699.6	3.47	58.98	4214.2	150.03
Elaine's Amelia 272606	A	54	Apr	1646.6	4.11	67.68		
		85	May	1556.7	4.16	64.76	4224.8	186.48
Stoneville Freda Jewel 402719	G	127	May	942.4	3.92	36.94	3924.3	148.36
Ward Foundation Corporation, Ward Acres Farm, New Rochelle, N. Y.								
Ward Acres Allium 344503	G	338	June	945.2	5.22	49.34	12031.3	555.85
Ward Acres Milkymaid 355868	G	159	June	1063.5	5.26	55.94	5642.4	255.30
*Ward Acres Susie 307489	C	107	June	1441.6	5.11	73.67	5441.9	245.92
Wardrep, A. J., Concord, Tenn.								
Lorene of Garden Creek 314615	E	312	May	1060.2	4.46	47.28		
		342	June	911.8	4.60	41.94	12875.4	587.32
Washington, State College of, Pullman, Wash.								
*Chinook Secret Cherub Diana 353851	B	103	June	1347.9	4.46	60.12	5059.0	240.20
Chinook Secret Cherub Greta 367231	G	347	June	127.7	5.65	7.22	7846.2	368.55
Valley Gem Beatrice 352143	G	12	Feb	399.4	4.57	18.25		
		43	Mar	1152.8	4.57	52.68		
		73	Apr	1026.0	5.36	54.99		
		104	May	980.3	4.64	45.49		
		134	June	879.8	4.84	42.58	4438.3	213.99
S. Chicona Belmont 104979 A. R.		D. Valley Gem Earnestine 285090 A. R. 31752						
Wasser, Stanley, Penllyn, Pa.								
†Valleywood Stella 359450	G	85	May	733.2	4.85	35.56		
		115	June	693.7	5.12	35.52	2719.3	132.53
Weber, R. F., Rancho Nicasio, Marshall, Calif.								
†Fir Ridge Dagna 351866	F	136	June	464.1	5.25	24.37	2799.5	135.05
†Fir Ridge Gretta 351865	F	102	June	383.0	5.09	19.49	1594.1	78.46
Honey of Nicasio 355419	G	150	June	503.8	6.71	33.80	3287.3	180.00
*†Roamer's Buttercup of Nicasio 314815	D	92	May	836.1	6.10	51.00	2778.4	149.54
*†Roamer's Dixie of Nicasio 327727	E	122	June	731.7	5.05	36.95	3919.6	206.90
†Roamer's Heather 337613	F	213	June	533.1	5.11	27.24	4569.5	213.62
*†Roamer's Nanette of Nicasio 292799	A	122	June	802.3	5.80	46.53	3981.6	206.38
†Roamer's Princess 347452	G	122	June	626.1	4.91	30.74	3326.2	155.10

Wehr, Wade N., Youngstown, Ohio.								
*†Belle Vista's Ultra Goldie 308113	C	97	May	1098.1	5.08	55.78		
		127	June	965.9	4.82	46.56	4560.5	227.84
*†Duke's Honorable Idell 337999	C	97	May	1082.2	4.55	49.24		
		127	June	950.1	4.49	42.66	4349.3	194.80
†Rover's Lass of Belle Vista 337412	E	175	May	983.3	3.65	35.89		
		205	June	887.1	3.61	32.02	6875.6	261.78
†Rover's Lottie of Belle Vista 357282	G	156	Mar	782.6	4.65	36.39		
		186	Apr	766.8	4.54	34.81		
		217	May	892.8	4.15	37.05		
		247	June	814.9	4.40	35.86	7024.4	323.06
Wells, F. U., Quon-Quont Stock Farm, Whately, Mass.								
Golden Girl of Mountain View 243981	A	247	Apr	654.9	5.18	33.92	6664.5	348.49
Hiedi of Oberland 215316	A	96	Apr	846.7	6.76	57.24	2685.9	179.91
Margaret of Lamoille 292805	A	313	Apr	440.1	5.10	22.45	7287.9	359.99
*Mount Hope Patience 245724	A	216	Apr	683.7	4.97	33.98	6089.8	298.96
West, William R., Est., High Hill Farm, New Bedford, Mass.								
Bet's Nanette of High Hill 327192	F	335	May	883.8	6.02	53.20	9137.5	498.65
Harvester's Fern of High Hill 352383	G	106	May	922.2	5.26	48.51	3219.0	152.51
Harvester's Helen of High Hill 293100	B	112	May	1145.5	5.26	60.25	4226.8	210.09
Leone of High Hill 392797	G	109	May	979.9	4.70	46.06	3317.5	161.41
*May Queen of High Hill 173561	A	365	May	159.6	5.55	8.86	14203.3	745.7
Rose Joy of High Hill 293101	D	365	May	229.8	5.98	13.74	12060.4	628.0
Weyenberg, F. L., Mrs., "Wey Acres," Thiensville, Wis.								
*Valor's Honesty 347885	E	221	June	1072.7	4.79	51.38	9536.5	439.98
Whipple, Sherman L., Est., The Forges Farm, Plymouth, Mass.								
Forges Happy Countess 347750	G	249	May	846.5	5.36	45.37		
		279	June	747.2	5.15	38.48	7656.8	399.78
†Forges May Bloom 320991	D	146	May	908.7	5.68	51.61		
		176	June	801.8	5.83	47.27	5749.1	310.27
†Forges Ultra Wissy 350259	G	182	May	920.3	5.09	46.84		
		212	June	811.9	5.01	40.68	6527.0	298.52
Sheik's Forges Melody 298673	C	249	May	855.4	5.18	44.31		
		279	June	776.2	4.50	34.93	10122.6	461.66
Sheik's Forges Pride 344981	G	249	May	738.2	6.24	46.06		
		279	June	691.4	5.95	41.14	6918.5	379.33
Whitcomb, H. H., Whitcomb Farms, Littleton, Mass.								
†Adaline of Nabnasset 251701	A	23	Feb	1033.2	4.71	48.66		
		54	Mar	1197.9	4.76	57.02		
		84	Apr	975.8	5.30	51.72		
		115	May	901.1	5.19	46.77	4108.0	204.17
S. Green Meadow Bravery 78072 A. R.		D. Hildreth's Merry Maid 109487						
†Golden Glow of Nashawtuc 329343	F	242	Apr	457.1	6.28	28.71		
		273	May	485.7	5.25	25.50	5065.2	260.42
†Jane of Hilland 291883	B	283	Mar	688.0	5.75	39.56	8902.6	454.65
Langwater Prophetess 2d 356073	G	242	Apr	691.4	4.70	32.50		
		273	May	809.1	4.64	37.54	9287.9	404.35
Lincolnwold Jeanette 358867	D	175	Apr	808.2	5.90	47.68		
		206	May	829.5	5.40	44.79	6273.8	339.25
Mayunsook Rosie 340929	F	167	Apr	568.1	5.64	32.04		
		198	May	609.9	5.65	34.46	4827.6	251.24
*†Princess Flora of Nashawtuc 327276	D	111	Feb	1130.7	4.94	55.86		
		142	Mar	1193.1	4.35	51.90		
		172	Apr	1148.7	4.95	56.86		
		203	May	1150.2	4.30	49.46	8721.7	392.62
*†Imp. Prudence of Blancs Bois 279200	A	28	Feb	1622.4	4.16	67.49		
		59	Mar	1567.8	3.59	56.28		
		89	Apr	1424.1	4.27	60.81		
		120	May	1265.1	4.10	51.87	5879.4	236.45
S. Nellie's Emblem R. G. A. S. 4433 P. S. A. R.		D. McKane's Muriel R. G. A. S. 21816 P. S.						
*†Sandwich Nelly's Ida 217742	A	165	Apr	974.6	5.15	50.19		
		196	May	936.2	5.25	49.15	7569.8	353.01
†Wamdosa Danette 313849	E	243	Feb	666.1	4.90	32.64		
		274	Mar	779.3	5.08	39.59		
		304	Apr	735.4	5.70	41.92		
		305	May	23.6	5.70	1.35	7871.3	406.7
White, Burton F., Stoneleigh Farms, Carmel, N. Y.								
†Nettie of Red Hill 241854	A	80	May	1527.9	4.80	73.34		
		110	June	1351.6	3.97	53.66	5553.7	233.77
Pleasant Valley's Phyllis 293129	B	332	June	889.8	4.60	40.93	12617.2	563.07
White, L. S., White Farms, Cairo, N. Y.								
Rex's Kate 345269	F	265	June	1029.1	5.19	53.41	10279.0	502.82
Rex's Kathryn 346628	G	262	June	995.9	4.52	45.01	10365.1	440.79
Rex's Viola 346623	G	269	June	1228.2	4.95	60.80	11675.8	546.47
White, William T., "Hill Top," Princeton, N. J.								
*Hallmark Hilda 298611	E	365	June	441.6	5.57	24.60	13380.8	628.7
Whitney, C. L. A., Wyebrook Farm, Loudonville, N. Y.								
Wyebrook Charming Miss 327843	F	360	June	661.6	5.26	34.80	10709.7	544.21
*Wyebrook Hylan Miss 306902	C	195	June	1218.0	5.27	64.19	8241.7	443.61
Wyebrook Hylan Queen 357133	G	122	June	1033.7	4.42	45.69	4204.9	203.55
Wyebrook Superb Queen 372765	G	31	May	972.3	4.25	41.32		
		61	June	983.9	3.89	38.27	1956.2	79.59
S. Wyebrook Victory 171569		D. Wyebrook Elegance 283718 A. R. 31796						

Wigglesworth, Edward, Meredith Farm, Topsfield, Mass.								
Meredith Cameo 387361	G	330	May	1092.2	5.59	61.05	10819.7	595.61
Meredith Dream 401360	G	129	May	1157.0	4.74	54.84	4689.2	226.68
Meredith Fable 391457	G	282	May	830.5	5.32	44.18	9178.5	452.09
Meredith Iolanthe 389513	G	301	May	1171.1	4.69	54.92	11368.7	505.34
*Meredith Navicella 297328	A	365	May	492.7	5.34	26.31	10341.2	500.2
Meredith Prairie Rose 391458	G	260	May	1016.4	4.89	49.70	8773.2	396.20
Meredith Princess Anne 387360	F	325	May	986.5	5.03	49.62	10831.2	511.77
Wilcox, Charles J., Kenwood Farms, Shelburne, Vt.								
†Biddy Lyoness 304619	C	186	May	1137.1	4.69	53.33	7974.5	362.20
*†Ken Nelly 353035	G	189	May	1011.5	5.44	55.03	6399.5	335.97
†Kenwood's Elsie 284254	C	305	May	283.7	5.80	16.45	6959.1	339.2
*†Kenwood's Irene 284253	B	182	May	1129.6	4.85	54.79	7428.5	356.48
†Kenwood's Maid 217152	A	277	May	599.6	5.60	33.58	7061.5	361.64
†Kenwood's Sunbeam 324085	D	287	May	744.1	5.30	39.44	7376.4	367.63
†Kenwood's Wenonah 265582	A	202	May	788.2	5.00	39.41	5655.6	278.43
†Somerset Joyous 357655	G	10	Nov	189.3	5.69	10.77		
		41	Dec	851.7	5.69	48.46		
		72	Jan	733.6	6.00	44.02		
		100	Feb	522.2	6.00	31.33		
		131	Mar	597.1	5.07	30.27		
		161	Apr	541.0	5.37	29.05		
		192	May	517.2	5.70	29.48	3952.1	223.38
S. Biscoe Defender 157164	D. Falcon's Joyous 128967 A. R. 20111							
*†Ward's Laughter Biddy 246176	A	198	May	712.1	5.25	37.39	5361.3	279.39
Wilkie, J. L., Forge Hill Farm, New Windsor, N. Y.								
Bournemouth's Mary Ann 289578	C	181	June	953.8	5.49	52.36	6426.7	337.18
Forge Hill Laddie's Dolly 265862	A	303	June	823.2	4.58	37.70	10995.4	531.00
Forge Hill Laddie's May Rose 370075	G	273	Apr	787.8	5.53	43.57		
		304	May	822.1	5.72	47.02		
		334	June	766.8	5.34	40.95	9207.7	476.34
Forge Hill Laddie's Veroyal 370085	G	96	May	895.3	5.01	44.85	3420.3	167.93
Forge Hill Royal Bountiful 305060	D	289	June	732.5	5.55	40.65	9742.4	466.27
*Forge Hill Royal Kathleen 265866	A	72	June	1565.2	4.07	63.70	3632.3	155.49
*Forge Hill Royal Linette 295330	C	131	June	1066.4	5.17	55.13	5585.4	287.50
Forge Hill Royal Linita 306011	D	285	June	651.0	5.51	35.87	7773.1	432.60
Forge Hill Royal Lucretia 305061	D	254	May	857.3	6.04	51.78		
		284	June	797.9	6.35	50.67	9280.2	559.09
*Forge Hill Royal Molly 265863	A	96	June	1896.6	5.06	95.97	5655.8	264.52
*Forge Hill Royal Phyllis 265865	A	146	June	1180.0	4.83	56.99	6542.5	299.51
*Forge Hill Royal Rose 268659	B	342	June	889.9	5.49	48.86	10693.9	567.69
Forge Hill Royal Verette 265864	A	208	June	1247.6	4.96	61.88	8758.1	480.21
Forge Hill Royal Verina 305062	E	243	May	993.6	5.79	57.53	10753.2	589.99
Wilkins, Charles A., Mound City Farm, Platteville, Wis.								
Mound City Cheer 294456	C	166	June	1138.4	3.80	43.26	7563.1	298.86
Mound City Frances 271589	A	97	June	1314.4	3.84	50.47	4671.3	170.67
Mound City Leta 340634	E	28	Apr	1343.2	4.09	54.94		
		59	May	1491.2	3.51	52.34		
		89	June	1306.5	3.54	46.25	4140.9	153.53
S. Clara's Monarch of Mound City 90678	D. Lustre of Mound City 211170 A. R. 23520							
Mound City Rayda 325020	E	147	June	906.6	4.51	40.89	4827.1	213.02
Mound City Select 322685	D	104	June	1085.0	3.73	40.47	4053.1	153.11
Wilkins, Neal E., Mound City Farm, Platteville, Wis.								
Mound City Moonbeam 281757	A	12	Apr	459.7	4.20	19.31		
		43	May	1376.1	4.06	55.87		
		73	June	1276.2	4.05	51.69	3112.0	126.87
S. Cinderella's May King of Mound City 49979 A. R.	D. Marion of Mound City 171679 A. R. 24961							
Willyard Brothers, Ravenna, Ohio.								
D. B. Daisy 342210	E	227	June	1476.0	4.85	71.59	10873.4	503.38
Franchester Valentine 265521	A	235	June	855.6	5.35	45.77	7963.3	393.27
Winter, Albert, Mahwin Farm, Mahwah, N. J.								
*La Belle Francille 315732	E	293	June	1370.8	5.52	75.67	13060.8	625.61
Patricia Beda 341386	F	296	June	931.0	5.99	55.77	9272.9	571.63
Wood, G. H., Woodland Farms, Monroe, Mich.								
Celeste of Woodland 362313	G	202	May	1018.4	4.41	44.91		
		232	June	959.1	4.67	44.79	8151.4	369.16
Idalia of Woodland 330917	E	108	May	1279.4	4.32	55.27		
		138	June	1178.1	4.56	53.72	5879.3	266.28
Woolworth, Richard W., Northshire Farm, Salem Center, N. Y.								
Coventry Donna Pansy 266766	B	303	June	713.0	6.19	44.13	9922.9	542.79
Donna Flower Girl 374730	G	116	June	1512.9	4.14	62.63	5636.5	217.80
Northshire Donna Primrose 352443	G	185	June	1102.2	5.39	59.41	6828.7	353.74
Northshire Donna Vampire 374728	G	256	June	749.5	5.47	41.00	7393.2	376.67
Primrose of Northshire 2d 374732	G	81	June	1359.2	4.57	62.12	3661.3	147.93

MERITORIOUS GRADE GUERNSEY

Russell, B. F. W., Old Town Farm, Peterboro, N. H.								
†Buttercup B. of Old Town Farm	A	16	Mar	649.2	4.55	29.54		
		46	Apr	1463.8	4.77	69.82		
		77	May	1535.2	4.32	66.32		
		107	June	1456.1	4.71	68.58	5104.3	234.26
S. Harwood Quaker Boy of Old Town Farm 54902								

Efficiency of Feed Utilization

(Continued from page 177)

for higher producing cows though it is entirely possible that at some point the law of diminishing returns would be encountered and beyond that point additional milk production would be secured, only at increased cost due to lowered efficiency of feed utilization.

The data were also treated statistically to determine whether there was any correlation between efficiency and such factors as age, weight, amount of four per cent F. C. M. and amount of feed. The best correlation derived was that between amount of four per cent F. C. M. and efficiency in which case "r" (correlation) was .54 ± .0411. There was also a correlation between weight and production in the entire group irrespective of age where "r" was .334 ± .0514. There was no correlation between weight and efficiency or between amount of feed and efficiency and only a hint of a correlation between age and efficiency where "r" was .288 ± .078.

An interesting and practical fact brought out by our study is that a cow's efficiency remained rather constant from lactation to lactation. There were, of course, slight variations, but as a rule if a two year old for example was low in efficiency in her first lactation she remained low throughout her life. Table II. indicates this fact for a few representative cows.

The next step was a daughter-dam study. Only lactations which were comparable from the standpoint of age were considered. Other factors such as care and management were as nearly constant as possible in that the same man handled the entire group, and all animals were barn-fed comparable rations over the entire period. Although the regularity with which a certain level of efficiency was transmitted from dam to daughter was remarkable, the influence of the sire was readily apparent. Certain bulls lowered the efficiency of their daughters as compared to that of the dams while other bulls raised efficiency.

Table III. shows the daughter-dam comparisons for seven bulls which have been used in the Experiment Station herd at Massachusetts State College.

It is quite evident from this table that efficiency of feed conversion is an inherited characteristic and that some bulls transmit higher efficiencies to their daughters than do others. In other words, here is another characteristic that dairy cattle breeders should add to their list of criteria along with type, production, color of product, softness of curd, etc., etc., when selecting a breeding bull.

In order to indicate the practical significance of our study we have contrasted two imaginary herds of thirty cows each. Herd A is thirty-five per cent efficient while Herd B is only twenty-five per cent efficient.

Summary

THE important facts brought out by our study are as follows:

The average efficiency of feed utilization in dairy cattle based on T. D. N. in feed and milk in this study was approximately thirty per cent; the level of efficiency is apparently an inherited characteristic; the cows maintained a certain level of efficiency from lactation to lactation; there was a decided positive correlation between amount of production and efficiency and little or no correlation between age, weight or amount of feed and efficiency; there was a great variation between individuals in efficiency—the extremes in our major study were from a low of 18.12 per cent to a high of 39.60 per cent.

(1) Forbes, E. B. and Voris, L. The Economy of Conversion of Food Energy into Milk Energy by the Dairy Cow; Jr. Nutrition, Vol. 5, 1932, pp. 395-401.
(2) Illinois Bulletin, 245, Relation Between Percentage Fat Content and Yield of Milk, W. L. Gaines and F. A. Davidson.
(3) Page 728, Henry and Morrison's Feeds and Feeding.
(4) Illinois Bulletin 272, Rate of Milk Secretion as Affected by Advance in Lactation and Gestation, by Gaines and Davidson.

Forward Thoughts in Dairy Science

(Continued from page 181)

The Effect of Alfalfa Hay on Milk Flavor

EARL WEAVER, E. L. FOUTS AND A. H. KUHLMAN

Oklahoma Agricultural and Mechanical College

TWELVE cows were used to determine the effect of alfalfa hay on milk flavor. When no hay was fed before milking the milk averaged to score 21.9 out of a possible 25 for perfect flavor. When the cows received four pounds of good, green, leafy alfalfa hay at varying intervals before milking, the flavor of the milk was impaired. When fed the hay one-half hour before milking the score was reduced by 2.3 points, one hour before 3.2 points, two hours 3.4 points, three hours 2.7 points, four hours 1.5 points and five to seven hours before .6 points.

Alfalfa hay has its worst effect when fed two hours before milking. The milk that would otherwise have a good flavor is reduced to a poor flavor and is offensive not only to experienced judges but to consumers generally. The effect of the hay persists in slight degree for as long as seven hours.

The Jerseys in the trial, weighing less than 1,000 pounds, were affected far more seriously than the Holsteins.

Observations were also made on the question of the amounts of hay that could be used. When two pounds were fed two hours before milking the flavor score was reduced 2.4 points; with six pounds it was reduced 3.6 points.

Northwest Washington Field Day

(Continued from page 186)

organization, would be out in October for the Pacific International and for a series of Guernsey meetings. Mr. Robinson gave the details of a two weeks' western Washington Guernsey tour in August, and said that sales of "GOLDEN GUERNSEY" milk, which is being distributed by some twenty Washington herds, had increased from 14,000,000 pounds in 1931 to 23,500,000 in 1933, three years in which total consumption of milk actually decreased.

Joe Burgess of Mt. Vernon won first place in the Future Farmer judging, and Dan Crowley of Monroe and James Laurensen of Sequim tied for second. Vernon Taylor of Burlington, Louis Hoksbergen of Lynden and Robert Machin of Lynden were the 4-H winners. All received cash prizes offered by the Snohomish county group, of which Nels Walen is president and Mrs. Lewis Noble secretary.

The exhibition of Valley Gem breeding was an eye-opener. In one group of five generations headed by the 535 pound class AAA, Secret's Queen of Overland's Peggy 111728, stood a 725 pound daughter, a 738 pound granddaughter, and great granddaughters that, when exhibited, had produced over 400 pounds in eight months. In another were five gets of sire which, typifying Valley Gem breeding, ran all the way from 600 pounders by Valley Gem Paragon 97678 down to little fellows by Valley Gem Banker 198293, and included also 700 pounders by Mixter Senator 96930 and younger producers and several that are not yet tested, by Hollister Elect of Rockingham 106621 and by Chicona Belmont 104979.

The New York State Guernsey Breeders' News

NEW YORK STATE GUERNSEY BREEDERS' CO-OPERATIVE, INC.

305 Fayette Park Building

Syracuse, N. Y.

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High Cow Credited to J. L. Wilkie

FORGE Hill Royal Molly 265863, that received honorable mention in the "News" of August 1, has completed in class A 1896.6 pounds of milk and 95.97 pounds of butter fat, thus making her high cow for the month of June. She has been on test for ninety-six days and has made a total of 5655.9 pounds of milk and 264.52 pounds of butter fat.

"Royal Molly" is sired by Royal's Bell Buoy 130305 and is out of Forge Hill Laddie's Molly 225101, a class leader holding ninth place in EE with a record of 13254.9 pounds of milk and 742.2 pounds of butter fat. She is owned by J. L. Wilkie of Forge Hill Farm, New Windsor.

Honorable Mention

IMP. King's Primula II. 332675, that was high cow, as mentioned in the "News" of August 1, is second high cow in class A for the month of June, having produced 1933.4 pounds of milk and 84.10 pounds of butter fat, with a total production of 4454.5 pounds of milk and 204.10 pounds of butter fat for a period of sixty-eight days.

Imp. King's Primula II. 332675 was sired by Beauty's Champion II. of the Rouvets R. G. A. S. 5142 P. S., the sire of five Advanced Register daughters. She is out of King's Primula R. G. A. S. 25815 P. S.

This good producer, that recently placed eighth in class BBB, is owned by Van S. Merle-Smith, "The Paddocks," Oyster Bay.

Model of Woodside 269953, owned by the James A. Burden Estate, Woodside Farm, Syosset, is credited with 1735.8 pounds of milk and 83.32 pounds of butter fat, which places her in third place. She has produced in 145 days, 8587.6 pounds of milk and 376.60 pounds of butter fat.

She is sired by Imp. Valentine's Keepsake 104971 and out of Juna of Woodside 213285.

CHARLES H. BALDWIN
Commissioner of Agriculture and Markets
Albany, New York

New York State Milk Publicity Campaign

By CHARLES H. BALDWIN
Commissioner of Agriculture and Markets, Albany, New York

THE State of New York, particularly The Department of Agriculture and Markets, thanks the New York State Guernsey Breeders' Co-Operative, Inc., for this opportunity to tell the Guernsey breeders of New York State and the nation of this new plan to stimulate consumption of fluid milk and cream. The Department of Agriculture and Markets feels that the advertising campaign is fraught with tremendous potentialities for good.

New York State is engaged in advertising fluid milk and cream and thus is blazing another trail in an effort to stabilize the dairy industry and promote public health. The first trail blazed was the creation in 1932 of a Division of Milk Control in The Department of Agriculture and Markets which sets prices to producers and consumers and licenses dealers and stores to insure a steady market.

As Northeastern States quickly followed New York's example and organized Milk Control Boards we feel that it will not be long before other states will soon realize the value and potency of advertising.

The New York legislature at its last session appropriated $500,000 as an advertising fund to be used in paid newspaper advertisements, publicity, radio and every means of education to create a greater appetite for milk among the state's 13,000,000 residents.

The state treasury will be reimbursed by a tax of one cent on each one hundred pounds of milk used in fluid form and cream. The tax is divided equally between the producer and distributor.

The Bureau of Milk Publicity created to administer the campaign is headed by Christian P. Norgord, Assistant Commissioner of Agriculture and Markets and former Commissioner of Agriculture in Wisconsin.

A Technical Advisory Board, headed by Dr. Thomas Parran, Jr., State Commissioner of Health, includes Frank E. Gannett, publisher of a chain of newspapers; Jerry Badgley, New York State Milk Distributor, Inc., William A. Thompson, secretary of the American Newspaper Publishers' Association; George W. Sisson, Jr., producer and business man; Dr. Flora Rose, Director of the College of Home Economics, Cornell University, and Earl B. Clark, producer. This board approves the newspaper advertising submitted by N. W. Ayer and Son, Inc., which has the contract to prepare such advertising.

The campaign has a twofold purpose: Aid for the dairy industry

and improvement of public health through greater use of milk. All the forces of the state have been thrown behind this health and economic movement, including all state departments, agriculture, business, education, health organizations and religious faiths.

Governor Herbert H. Lehman visualizes the campaign as a "task which it will be businesslike to perform in a well organized and orderly fashion. It is also a task, which, if well done, will save farm homes from foreclosure, farm families from disintegration, keep farm children in school. And it will revive the distribution end of the business as well."

When the dairy industry makes use of modern advertising methods it takes a forward step in attacking our distribution problem in an effort to make marketing equally as efficient as production.

We know how to take advantage of our agricultural resources and how to cooperate with nature so as to produce the best foods most economically. Financial dividends will be paid in every city which serves as a commodity outlet to the countryside as a result of this campaign. Nearly every city of the state has a stake, small or large, in the economic betterment of the dairymen.

Public interest, of course, is depended on to a large extent to make this campaign successful. Consequently at a conference of 500 leading citizens called by Governor Lehman, a cooperating committee of nearly 50 persons was spontaneously formed, representing producers, distributors, municipal and religious leaders, transportation and food dispensers, women's organizations, publishers and radio officials, health groups, food manufacturers and educators.

The producers' group of the cooperating committee contains men from the principal breed organizations, cooperatives, independent organizations and dairymen of every color and hue of opinion. Professor William M. Rider, formerly of the College of Agriculture, Syracuse University, heads this important group.

B. J. H. Rikert of Syracuse, business manager of the New York State Guernsey Breeders' Co-Operative, Inc., is a member of the committee. Another ardent supporter of the campaign is Thomas H. Munro, president of the New York State Council of Agriculture and Markets, and secretary-treasurer of the New York Guernsey Breeders' Co-Operative.

Welcome "Bill" Hepburn to New York

THE management of the New York State Guernsey Breeders' Co-Operative, Inc., in the name of the Guernsey breeders of the State, take great pleasure in welcoming W. K. Hepburn as manager of Emmadine Farm at Hopewell Junction.

"Bill" has many friends in New York State and when he takes over his duties at Emmadine, he will be gratified to learn that the many friends of Emmadine are ready to welcome him into the Guernsey fraternity of Dutchess County and the State.

Emmadine Farm has always been a most active leader and supporter in Guernsey activities of the Dutchess County Guernsey Breeders Association and the State organization.

Emmadine Farm is a Pride of New York State; its aims and ideals are a jealously guarded heritage. Mr. Hepburn was a close friend of Mr. Dodge and visited Emmadine Farm time and time again. There perhaps is no one who is more familiar with the blood lines at Emmadine or knows more of the breeding plans which Mr. Dodge had in mind, than "Bill" Hepburn.

"Bill," we welcome you and extend our congratulations and best wishes for continued success!

Saratoga County Picnic Harold L. Hall, Host

IN spite of the most welcome rain that fell throughout the morning on Saturday, July 28, and continued until lunch-time so that it was necessary for the breeders and their families and friends of Saratoga County to gather on the spacious porch of Harold L. Hall, owner of Brookside Dairy at Greenfield Center, the picnic was a huge success.

Immediately after the basket lunch, P. V. Barth, president of the Saratoga County Guernsey Breeders Association, called the meeting to order and transacted such business as was necessary. After a few appropriate remarks fitting to the occasion, Mr. Barth suggested that some little time be spent in just an informal, clear discussion of their various problems and an exchange of helpful ideas.

Clifford E. Greene, manager of Waldorf Farms at North Chatham, New York, was the first called upon by Mr. Barth to lead the general discussion, as to farm management operations at Waldorf Farms. Mr. Greene expressed pleasure in seeing old friends and the opportunity of meeting new ones. He stated that Waldorf Farms now has something like 125 head of pure bred Guernseys and that they are supplying the milk for the Waldorf restaurants in Albany, as well as fruits and vegetables. Speaking of the Waldorf restaurants, Mr. Greene stated that the Trade Mark of the Waldorf System, the "Sign of the Red Apple," is an exact facsimile of the apples grown at Waldorf Farms. He pointed out that their two greatest losses on the farms this past year were alfalfa and Baldwin apples, both due to the very severe winter. The alfalfa loss was about fifty per cent, as was the Baldwin trees. He stated that they have seeded something like fifty-three acres of alfalfa.

Mr. Oscar Sundquist of Wayville was next, and led the discussion of chopped hay. He has been chopping hay now for three years and contends that it takes up less room and mixes the various qualities of hay as they are put into the barn as well as when it is taken out, thus giving the cows a more uniform quality throughout the year. He likewise contends that they eat a lot more. It was pointed out that the same cutter could be used for silo-filling as is used for chopping the hay.

E. J. Herrington, secretary of the Saratoga County Association, called to the attention of the club members the information which he receives monthly from The American Guernsey Cattle Club in the form of news activities of the Guernsey breed. Some of these notices were read and were very interesting and enlightening to the breeders. The one notice particularly referred to, which had to do with reference to Guernsey cattle inquiries received by the Club through their paid advertising, resulted in the suggestion that the secretary send out a card to each of the members of the association advising them of these inquiries and thus actually obtain some direct benefit from this information sent out by The American Guernsey Cattle Club.

B. J. H. Rikert, Business Manager of the New York State Guernsey

Breeders' Co-Operative, Inc., discussed with the group their many problems as breeders as well as their milk problems. He stated that two of the most serious problems before all breeds today were the Grade "A" premium of sixty-five cents per hundred paid for four per cent milk with a low bacteria count, and the 4.2 per cent test permitted in milk which is to be sold at the minimum price named by the Milk Control Board. He pointed out that the Holstein breed could not make the four per cent test or the 4.2 per cent minimum required by the Milk Control Board in their schedule of prices and that as for the Guernsey and Jersey, they receive no recognition of their butter fat over and above the four per cent requirement for Grade "A" milk, and that as a result there is a very material "mixing" of herds—the Guernsey and Jersey breeders adding Holstein cows or using Holstein bulls, the Holstein breeders adding Jersey and Guernsey cows and using Jersey or Guernsey bulls.

As for the sale of Golden Guernsey milk, he advised that last year's annual report showed that sales of Golden Guernsey milk under the Trade Mark had increased 169 per cent over the previous year which was the last year the Dairymen's League acted as sales agent for the Association.

He called particular attention to the Milk Publicity program of the State, stating that the Association was well represented at the Governor's Luncheon which started the campaign on July 12, which was attended by representatives of food manufacturers, food and drink dispensers, Home Welfare workers, education groups, civic organizations, women's groups and, of course, agricultural leaders, milk distributors and all milk producer groups. He appealed to the group at the meeting to "get behind" this campaign so that it might be as successful as possible. He advised his listeners that Professor Rider at Albany is ready to cooperate with them and will be glad to send them plans for short talks on milk to be given at various meetings and send literature, posters and pamphlets.

Mr. Little, Farm Bureau manager, summarized the various subjects discussed, particularly mentioning alfalfa conditions and pasture and so forth.

At the conclusion of the meeting, the breeders inspected Mr. Hall's herd of fifty-seven head of pure bred and grade Guernseys with an average herd record in the Dairy Herd Improvement Association of 6659 pounds of milk and 311.5 pounds of butter fat per cow. This herd is headed by Blanche's King of Blue Barns 186436 as senior herd sire, that was sired by Imp. Aiyukpa Princess' Rex 110834 and out of Imp. Ultra Blanche of Blue Barns 239396, a daughter of Nestor's Galaxy Blanche 87504 with 525.8 pounds of butter fat in class B. The junior herd sire is Birch of Hon Terra 200947.

Pure bred females in this herd consist of Olga of Brookside 196464, with a Dairy Herd Improvement Association record of 7523 pounds of milk and 357.1 pounds of butter fat; Hall's Cinderella of Brookside Dairy 249532, with a Dairy Herd Improvement Association record of 6500 pounds of milk and 298.7 pounds of butter fat; Connie of Fo'castle Farm 283409, with a record of 6300 pounds of milk and 300.1 pounds of butter fat; Glenmore Violet 313659, with a record of 7334 pounds of milk and 367.4 pounds of butter fat.

Mr. Hall has a modern electrical pasteurization plant on his farm where he pasteurizes the milk from his dairy and retails 500 quarts of Guernsey milk per day in the city of Saratoga Springs.

Annual Picnic of the Delaware-Herkimer-Otsego Guernsey Club

THE annual picnic of the Delaware-Herkimer-Otsego Guernsey Club was held on August 10 at Glensfoot Farm, Cherry Valley, New York. This farm is owned by Major Abraham B. Cox, having been owned by members of his family for several generations. It was originally owned by the Rev. Samuel Dunlop who came to Cherry Valley in 1741, prior to the Revolutionary War. He established and taught the first school here, along with his farm work. He also established in Cherry Valley the first English-speaking church west of the Hudson River. He was pastor of this church until scalped by the Indians at the time of the Cherry Valley Massacre.

In 1919, Major Cox engaged E. Ellis Elwood as Manager of Glensfoot Farm. The year 1920 marked the eradication of tuberculosis from the unregistered Jersey herd then on the place, and the selection of a few choice Guernsey females as the beginning of a Guernsey herd. These animals were principally of the "Masher" family. Other females were added during the next few years.

Among the herd sires used in the development of the herd were Broad Acres Reliance 83728, whose dam was Imp. Primrose of the Vrangue III. 46433, whose several records averaged over 700 pounds of butter fat; Cathedral Champion 87609, whose dam, Kate of Farview 82754, was a class leader with a record of over 900 pounds of fat; and Cherub's Royal Secret of Shorewood 93509, a son of Ladysmith's Cherub 30760, and whose maternal grandam was Pearl of Pomeroy 40325. "Cherub's Royal Secret" had nine daughters with official records—one of these, Broad Acres Camelia 230091, being a class leader in class CCC and New York State Champion in the year she was tested. This really excellent sire was followed by his son, Otsego Cherub 120939, whose dam, Tuscarora King's Betty 104358, was a cow of unusually great productive and reproductive ability. Otsego Cherub 120939 is still the senior sire at nine years of age. Cow testing association figures summarized by the United States Department of Agriculture on his first ten daughters, comparing their production with the production of their dams, show that he has increased the producing ability of his first ten daughters over their dams by about forty-one per cent. Two younger sires rich in the blood of Ladysmith's Cherub 30760 and May Rose are also in limited service until their reproductive ability can be ascertained. It is expected that one of them may be a worthy successor to this great bull. Otsego Cherub 120939 will be continued in service at Glensfoot as long as he remains effective.

The Glensfoot Farm herd now consists of about eighty-five Guernsey females and indicates what may be done with Guernseys with a rather modest start in numbers. All cows in the breeding and milking herd are tested monthly in the Richfield Springs Dairy Herd Improvement Association, and when the lower producers are located they are sold to the butcher. Although severe culling is practiced, the point has been reached now where those going to the butcher are cows advanced in years or whose udders have been damaged and who have been retained on account of the value of their calves. This herd should earn their Honor Roll Certificate from the National Dairy Association on account of their production this year by quite a substantial margin.

The real activities of the picnic began as soon as the breeders and their families assembled, with a

tour of inspection of the farm buildings and the herd. Much favorable comment was noted on the type and apparent producing ability of the animals. A judging contest was then held, the animals judged being a group of daughters of Otsego Cherub 120939, all of milking age. The judging completed, "Jimmy" Beiermeister and George M. White placed the animals in their proper positions. The prize awarded to the winner, Mrs. Ellen Hinds Juch, was a "GOLDEN GUERNSEY" cream jug. This was furnished by the Farm. Mrs. Juch is one of the daughters of C. J. Hinds of Hindsdale Farm, Springfield Center, New York.

A basket lunch augmented by Golden Guernsey milk and coffee with Golden Guernsey cream was then enjoyed by all.

After lunch, B. J. H. Rikert, Business Manager of the New York State Guernsey Breeders' Co-operative, Inc., told about the efforts constantly being made to protect the interests of all farmers owning Guernsey cattle and to increase the sale of Golden Guernsey milk. He was followed by Milo E. Thompson, Otsego County Farm Bureau Agent, who gave a brief summary of the results being attained by the "Better Sires Campaign" which has been in operation in the county for about five years.

K. C. Sly, manager of Douglaston Manor Farm at Pulaski, New York, and formerly manager of Aiyukpa Farm, Lyon Mountain, New York, then told why he believes "this is the ideal time to go into Guernseys." His discourse was carefully prepared and was adequately supported by convincing facts and figures on the trends in the demand for, and the prices of Guernsey cattle and their products. He presented his address in a very pleasing and able manner.

An auction of a small number of Guernsey females to satisfy a note made to finance 4-H Guernsey Calf Club projects was then held. The females sold were in three cases progeny of the animals purchased with the money obtained from making the original note, which was signed by several breeders of the Tri-County association. In the fourth case, the original animal was sold. J. M. Beiermeister acted as auctioneer. Needless to say, he performed his duties ably and to the satisfaction of everyone concerned. He made a trip of many miles to be present and donate his services to this project with which he has been connected for several years. Two outstanding young bulls were also offered, half of the proceeds from their sale being given to augment the finances of the Guernsey Club and to make certain that there would be sufficient funds available to pay the note without levying on the signers.

One of these bulls, Hindsdale Renown 216597, was offered by C. J. Hinds and Son of Hindsdale Farm, Springfield Center, New York. He is an excellent individual and should develop into a show animal of the highest order. His individuality is equalled in all respects by the characteristics of type and production which he inherits. He is about six months old. He has Caumsett Hunter 203706 for his sire, owned jointly by Hindsdale and Caumsett Farms. "Hunter's" sire was Mixter Thor 106594 whose three Advanced Register daughters tested at Caumsett Farm have records averaging 13200 pounds of milk and 622 pounds of butter fat as two-year-olds. Mixter Thor's sire was Mixter May Royal 65203 and is well known to every breeder of Guernseys. The dam of "Hunter" was Caumsett Ruby 220185 who has a class E record of 13010.8 pounds of milk and 733.5 pounds of butter fat. She has also two daughters which made records of 708.0 pounds of fat and 661.9 pounds of fat at two years of age. Her sire was Cherub's Dart of Shorewood 71286 with seven Advanced Register daughters and two Advanced Register sons. The sire of "Dart" was Ladysmith's Cherub 30760 with twenty-three Advanced Register daughters and twenty-six Advanced Register sons. His daughters include four having class leader records, while five of his sons also sired class leading daughters. "Dart's" dam was Pearl of Pomeroy 40325.

The dam of Hindsdale Renown 216597 is Hindsdale Golden Cherry 325274 who has completed a class G record of 11528.9 pounds of milk and 557.6 pounds of butter fat. She is a member of Mr. Hinds' "Sussny" family. This family has been uniformly outstanding for several generations both for type and persistent production. She transmits to her son "Renown," qualities inherited from such sires as Langwater Valiant 51868, Langwater Warrior 26509, Ladysmith's Cherub 30760, Langwater Mixter 69371, Cherub's Royal Secret of Shorewood 93509, and from such dams as Hindsdale Sophie 261655, Golden Cherry of Prospect Farm 74012, Langwater Generous 41958, Imp. Hayes Golden Cherry 13th 67871, Yeoman's Mixter Star 87587 and Gerar Pearl 23595.

"Renown" was sold to a bull association near Memphis, New York, whose representative at the sale was Floyd Somes. He brought only $190 due to lack of opposing buyers, as Mr. Somes had been instructed to secure him at a much higher figure should it be necessary. It is difficult to see how or where an animal of such quality could have been secured for the purpose elsewhere. These men deserve congratulations.

Sale of the 4-H animals then took place, Birlyn Flint of Starkville, New York, securing a two year old heifer and a six month old calf to found a herd for himself. Harriett Wakeman of Herkimer, New York, also joined the ranks of Guernsey breeders by securing the five year old cow which will soon freshen. Dorr Webb of Cherry Valley, secured his foundation female through the purchase of a little granddaughter of Saugerties Royal Sequel 159031. This little animal traces to such ancestors as Langwater Holliston 28055, Shagbark's Dorothy 117764, Florham Laddie 20431, Upland's Caesar 40788, Langwater Sybarite 63073, Mabel of Tarbell Farms 56758, and twice to Ladysmith's Cherub 30760. This youngster certainly shows promise.

The six month old bull offered by Glensfoot Farm was sold last, during a thunderstorm. He went to Elmer Schell of St. Johnsville, New York, at a very modest sum when you consider that his sire is Hindsdale Golden Valiant 186373 whose full sister has a record of 893 pounds of butter fat and 18366 pounds of milk. His dam is one of the daughters of Otsego Cherub 120939 and is a very good animal herself, and with about twenty-five sisters now milking gives promise of producing about 500 pounds of fat yearly, according to the Cow Testing Association figures, on twice a day milking.

This last sale concluded the picnic. Those present apparently enjoyed themselves. They numbered about 300 people. The Calf Club committee were pleased to conclude raising funds to pay the note and conclude their part in 4-H work, no funds having been appropriated of late by the Otsego County Board of Supervisors to employ a Junior Project leader.

Ton of Milk
Rilma's Cathedral Rose 213339

IN a letter received from H. H. Buckley, owner of Cathedral Farms at Oneonta, New York, he mentioned the following about Rilma's Cathedral Rose 213339, A. R.: "The great cow, Rilma's Cathedral

(Please turn to page 233)

OUR ROLL OF HONOR

Requirements:

Cows on official A. R. test 50 pounds
Cows on official A. R. Farmers' Class 40 pounds

For actual records see "What The Cows Are Doing" elsewhere in this issue and also in the August 15 issue.

Bacon, Robert, Mrs., "Oldacres," Westbury, N. Y.
Sovereign's Romana 320656
Sovereign's Vesta of Oldacres 374371

Bailey, Harry, Beechford Farms, Mount Tremper, N. Y.
Beechford's Charlotte 304407
Beechford's Irene 306134
Beechford's Victoria 335827

Barclay, Hugh, Douglaston Manor Farm, Pulaski, N. Y.
Douglaston Mary Teck 330813
Douglaston Princess Wilhelmina 358645
Imp. Rose IV. of Le Neuf Chemin 291737
Imp. Sheba of Les Jetteries 359171

Batterman, Henry L. ,Beaverbrook Farm, Millneck, N. Y.
Beaverbrook Gracious 244556
Georgia of Cold Spring Harbor 352907

Bloodgood, Charles A., Loudonville, N. Y.
Echo Farm Lustre 361157

Bucktey, H. H., Cathedral Farms, Oneonta, N. Y.
Cathedral Amy 319986
Cathedral Beth 345589
Cathedral Martha 344932
Cathedral Rhoda's Content 344934
Cathedral Roxana 315486
Cathedral Sylvia 344935
Mabel's Cathedral Sarah 319985

Burden, James A., Est., Woodside Farm, Syosset, N. Y.
Model of Woodside 269953
Scarab of Woodside 348606

Caumsett Corporation, The, Huntington, N. Y.
Boulder Bridge Dewdrop 305608
Caumsett Clara 332591
Caumsett Gloria 326696
Caumsett Golden Beatrice 380979
Caumsett Golden Lily 351215
Caumsett Ida 342786
Caumsett Northern Jane 380526
Caumsett Northern Sprirgtime 380528

Chambers, A. H., Maple Lane Farm, Kingston, N. Y.
Fair Weather Gardenia 304148
Fair Weather Gordie 332047
Maple Lane Monarch's Fashion 341461

Cheney, O. H., Cornwall Hill Farm, Patterson, N. Y.
Fair Weather Nanette 337441
Fayroyal's Hemmadine 342154
Fayroyal's Hoxie 342150
Foremost Hilldene 342153
Moorland Dairymaid 326369
Moorland Katrinka 326374
Northshire Donna May 311243
Osceola Rose Marie 322333
Superb's Honeybelle 342152
Supreme's Heiress 342149
Imp. Valongis Marguerite 312800

Cornell University, Ithaca, N. Y.
Mary Elizabeth of Coy Glen 319079

Corning, Parker, Corning Farm, Glenmont, N. Y.
Imp. Lady Souvenir of Carteret 278487

Davison, H. P., Mrs., Locust Valley, N. Y.
Grace of Paddocks 343021
Ivy Hall Buttercup 313564
Imp. May Day of Mannez 358466

Douglas, Elizabeth, Spring Farm Tilly Foster, N. Y.
Imp. Joan of Chateau L'Etocq 304488
Stadacona Dawn 343102
Stadacona Daybreak 331819
Stadacona Delia 177850
Stadacona Red Rose 350474
Stadacona Rosebud 350770

Hammond, John Henry, Dellwood Farm, Mount Kisco, N. Y.
Cherub's Fair Lady of Dellwood 335073
Countess' Dairy Maid of Dellwood 224263
Planet's Antonita of Dellwood 292755
Planet's Olga of Dellwood 282582

Hawkins, L. A., Silver-Forest Fruit & Stock Farms, Silver Creek, N.Y
Zane's Jolly Lassie 315937

Lewis, Clarence McK., Skylands Farm, Sterlington, N. Y.
Chedco New Year 243962
Fairydale Primrose 234057
Langwater Lady Nancy 195135
Mixter Pippin 101644

Macy, V. Everit, Est., Chilmark Farm Ossining, N. Y.
Chilmark Daffodil 280079
Chilmark Princess 280081
Chilmark's Queen of Gold 252609

cDonald, J. M., McDonald Farms, Cortland, N. Y.
Hilltop Que Vive Lassie 286960
Homestead Royal Ann 362224
Noranda's Ultra Milkmaid 221977
Rockingham Memoir 398685
Rockingham Princess Favorite 390074

Merle-Smith, Van S., "The Paddocks," Oyster Bay, N. Y.
Arvilla of Paddocks 343022
Imp. King's Primula II. 332675

Mignin, Charles F., "Taberlea," Castile, N. Y.
Reservation Marjory 289162
Reservation Priscilla 290427

Moffett, James A., 2d, Hollyday Farm Old Brookville, N. Y.
Ann Grintum's Bessie Belle 381199
Sequel's Gift of Homestead 317713

Parnell, Chester A., Elm Summit Farm, Piffard, N. Y.
Elm Summit's Gloreta 356798
Elm Summit's Governess 218499
Elm Summit's Minnie 238433
Elm Summit's Pandora 270561
Florabelle of Elm Summit 285102

Penney-Gwinn Corporation, J. C., Emmadine Farm, Hopewell Junction, N. Y.
Fayroyal's Edwina 249167
Foremost Hermosa 355934
Foremost Idyllis 355937
Gay Lad's Cecelia 270197
Mayprince's Ethyl 247877
Mixter Rosella 166973
Superb's Hawthorne 358762
Supreme's Flapper 277113
Supreme's Glendetta 317310
Valor's Faithful 364627
Valor's Ilya 386379
Westview Violette 164104

Perkins, George W., Glynwood Farm, Cold Spring, N. Y.
Glynwood's Columbine 290787
Glynwood's Orchis 310617
Glynwood's Star Flower 346141
Lamoka Slope's Princess 225048

Tarbell, Gage E., Tarbell Farms, Smithville Flats, N. Y.
Tarbell Farms Fair Ula 346142
Tarbell Farms Merry Celeste 348970
Tarbell Farms Royal Buttercup 294012
Tarbell Farms Royal Clovita 295672
Tarbell Farms Royal Elena 345457
Tarbell Farms Royal Flora 330469
Tarbell Farms Royal Lillian 361634
Tarbell Farms Royal Uter 345456
Tarbell Farms Royal Vanity 344076
Tarbell Farms Royal Verbena 302135
Tarbell Farms Ultra Anita 325044
Tarbell Farms Ultra Antoinette 344075
Tarbell Farms Ultra Enid 318482
Tarbell Farms Ultra Hilda 342487
Tarbell Farms Ultra Lavender 298326
Tarbell Farms Ultra Ruth 314827

Terry, W. C., Hon Terra Farms, Catskill, N. Y.
Fawn of Linden 222669
Lady Win of Hon Terra 275669

Thomas, Silas & Sons, Stony Ford Farm, Stony Ford, N. Y.
Imp. Bessie of the Lubin 275208
Hilltop Bonny Rosette 334649

Ward Foundation Corporation, Ward Acres Farm, New Rochelle, N. Y.
Ward Acres Milkymaid 355868
Ward Acres Susie 307489

White, Burton F., Stoneleigh Farms, Carmel, N. Y.
Pleasant Valley's Phyllis 293129

White, Burton F., Stoneleigh Farms, Carmel, N. Y.
Nettie of Red Hill 241854

White, L. S., White Farms, Cairo, N. Y.
Rex's Kate 345269
Rex's Viola 346623

Whitney, C. L. A., Wyebrook Farm, Loudonville, N. Y.
Wyebrook Hylan Miss 306902

Wilkie, J. L., Forge Hill Farm, New Windsor, N. Y.
Bournemouth's Mary Ann 289578
Forge Hill Royal Kathleen 265866
Forge Hill Royal Linette 295330
Forge Hill Royal Lucretia 305061
Forge Hill Royal Molly 265863
Forge Hill Royal Phyllis 265865
Forge Hill Royal Verette 265864
Forge Hill Royal Verina 305062

Woolworth, Richard W., Northshire Farm, Salem Center, N. Y.
Coventry Donna Pansy 266766
Donna Flower Girl 374730
Northshire Donna Primrose 352443
Primrose of Northshire 2d 374732

NEW YORK STATE APPROVED ADVANCED REGISTER RECORDS FROM JULY 15 to AUGUST 15, 1934

For the record and sire and dam see this issue.

Harry Bailey, Mount Tremper, New York
Beechford's Golden Glow 283490
Cornell University, Ithaca, New York
Valor's Geraldine 317306
Tarbell Farms Royal Coquette 293289
Parker Corning, Glenmont, New York
Bellmath Rena 180597
Rita of Corning Farm 323701
Angelica L. Gerry, Delhi, New York
Imp. Ancram Farms Galaxy Flora 295252
Oscar F. Kinney, North Chatham, New York
Waldorf Pilgrim's Patricia 311419
Waldorf Luella 341047
Waldorf Irene's Dottie 336338
J. C. Penney-Gwinn Corporation, Hopewell Junction, New York
May Royal's Elinda 249158
Cowslip of Ware 296076
L. S. White, Cairo, New York
Fannie of White Farms 246835
Polly of White Farms 347536
Lisette of White Farms 2d 338860

How to Use Color Milk Grader

(*Continued from page 183*)

those obtained on a similar instrument.

Procedure for Operation

WITH the instrument in balance as above, fill the sample cell C with the milk to be tested and carefully slide the cover glass D over the top of the cell in such a way that no bubbles are under the cover. If bubbles do appear the reading will be erroneous. Shake the filled cell to insure a thorough mixing and place it on the sample shelf K, after first removing the standard plate glass. Rotate the reflecting glass until the match point is obtained and record your scale reading. Most accurate results will be obtained by taking the average of four readings as above.

Caution

1. When adjusting and operating this instrument do not let the light burn longer than is necessary to conveniently make the reading. Turn it on immediately before inserting the sample and turn it off immediately after removing the sample.

Make your reading immediately after inserting sample. Do not permit the sample to remain in the instrument long enough to heat the sample. Always shake the sample before putting it in the instrument and do not make any readings if you are at all uncertain as to whether or not the cream has started to separate. Always clean the sample holder and wipe the plate dry with a clean cloth.

Coliseum To Be Named In Honor of Farm Educator

WING Coliseum will be the official designation of New York State Fair's great amphitheater, following appropriate ceremonies of dedication as a striking feature of this year's exposition. Professor Henry Hiram Wing, in whose honor the Coliseum is being named, has rendered distinguished service to the livestock interests of the State and Nation for a span of many years. For forty years he was actively connected with the State Experimental Station and the State College of Agriculture. As head of the Animal Husbandry Department at Cornell for a large part of this long term of service, his work, both directly and through the thousands of students who gained knowledge and inspiration under his teaching, has had a profound influence upon the development of the dairy industry throughout this country and in many foreign lands.

Upon his retirement from active teaching in 1928, his work was given recognition by the Holstein-Friesian Association of America, which honored him by election to its presidency.

In view of this long term of service to the cause of better livestock, it is very fitting that the Coliseum, where the cream of the breeds are annually put on display, should be named in his honor.

A beautiful bronze plaque, commemorating the occasion and setting forth the significance, will be unveiled on Tuesday, September 4, at one p. m. The importance with which the ceremony is regarded is shown by the fact that Dr. Frank P. Graves, president of the University of the State of New York, will act as master of ceremonies. Commissioner of Agriculture and Markets, Honorable Charles H. Baldwin, will appear on the program, while the presentation address will be made by Honorable Owen D. Young.

It is anticipated that the huge Wing Coliseum will be filled to its capacity for the occasion, not only because of Professor Wing's wide personal popularity and the fitness of the honors to be bestowed, but also because of the international eminence of those who are to take part in the program.

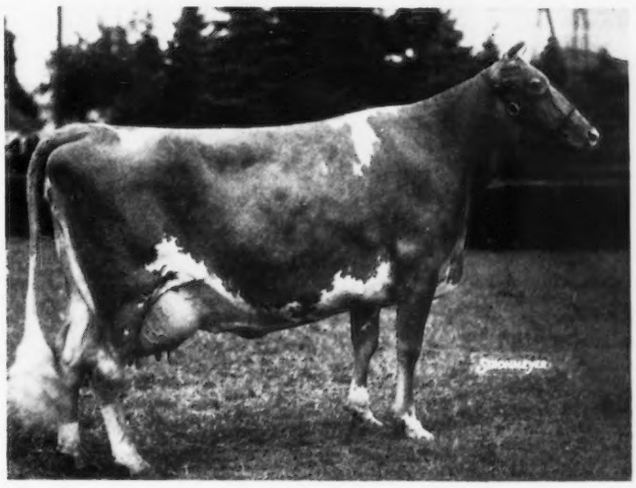
Ton of Milk

(*Continued from page 231*)

Rose, who holds the New York State Championship in class C when she made her record of 18331.7 pounds of milk and 913.4 pounds of butter fat, refuses to stop giving milk. Although not on official test, for the month of July she produced 2039.8 pounds of milk and 89.078 pounds of butter fat.

"It should be of interest to the Guernsey world that the great cow, Rilma's Cathedral Rose 213339, is not only such a persistent large producer of milk and butter fat but she is also a record cow for reproduction. Before she was eight years old, she had given us four large and healthy daughters and three sturdy, healthy and magnificent sons, a reproduction record of seven before she was eight years of age, in addition to giving us two great records."

A Champion Passes



Langwater Damson's Princess 276139

LANGWATER Damson's Princess 276139 died recently from Dropsy of the Amnion. "Damson's Princess" was owned by Stuart M. Aldrich of The Aldrich Farm, Rehoboth, Massachusetts. She is well known throughout the country because she was grand champion last year at the Dairy Cattle Congress, Trenton Interstate Fair, Eastern States Exposition and the Canadian Royal Winter Fair. She was sired by Langwater Valiant 51868 and out of Imp. Damson's Princess of Langwater 207075. This is a great loss to the show herd of Mr. Aldrich. In speaking of the loss, N. D. Knight, manager, said it was one of the hardest blows he had received since working with Guernseys.

News Briefs

Weigle at Gwynllan

F. H. WEIGLE has been appointed manager of Gwynllan Farms, owned by A. D. Thayer, Gwynedd Valley, Pennsylvania. Mr. Weigle was for several years with the Waddington Farm herd at Wheeling, West Virginia.

Watson in Alaska

J. G. (Jimmy) Watson, the genial editor of the New England Homestead, is making a trip to Alaska with members of the Homestead's Alaska Tour party. Mrs. Watson, who is an ardent fisherman and hunter, is spending the summer in the wilds of British Columbia, at her father's camp. Mrs. Watson will meet "Jimmy" at Vancouver on his return trip.

A Splendid Count

BETHANY Homestead Farm, Honesdale, Pennsylvania, has received a bacteria count on their milk of not more than 5,300 since April 24, 1934. The counts show that five times they were under 3,000. R. M. Kinross, manager of the farm, states that their 106 head have passed a recent tuberculin test and they have been accredited since the beginning of the herd.

Bowditch Chairman

N. I. BOWDITCH, Framingham, Massachusetts, has recently been elected chairman to a Board of Trustees of the Massachusetts State College.

No Horse, No Cow

IT has come to light that a heavy trade was about to be made between Harry Pate of Sunny Ridge Farm, Chadds Ford Junction, Pennsylvania, and Joseph Broadhurst of Locust Grove Dairies, Westville, New Jersey. It seems that "Joe" was looking for a good two year old for his show string and Harry was looking for a good horse for his farm team. On a recent visit to Sunny Ridge, "Joe" picked the heifer and offered to trade the horse that Harry had previously picked. Being dyed-in-the-wool traders they both commenced to bargain for a bonus. Since they could not agree on the bargain the trade was not made. However, Harry has offered to trade even if "Joe" would ride the horse into the sale ring at the next Chester County sale. Time will tell whether these two men can get together.

Tendler Makes Sales

SAMUEL H. TENDLER of Philadelphia, who has been very active in Guernsey circles for many years, reports several sales during the past few weeks. C. J. Ingersoll of Philadelphia wished to reduce his herd from thirty to seven head. The twenty-three Guernseys were sold to A. P. Irwin of Chadds Ford Junction, Pennsylvania. Several weeks ago Mr. Roberts wanted to sell four females and a buyer was secured for these. John C. Scott of Bryn Mawr, Pennsylvania, who is past seventy years of age, wished to sell his entire herd with the exception of a couple of family cows. Within a week a new breeder had purchased forty Guernseys from Mr. Scott.

Purchases New Herd Sire

LOUIS McL. MERRYMAN, Sparks, Maryland, has purchased from Thomas Marsalis, Queenstown, Maryland, a son of Green Meadow Ambition 146344, A. R. and out of Green Meadow May Wort 324925. A. R. Mr. Merryman stated that in securing this young bull that he wanted a herd sire that was dominant for straight backs, level rumps and good udders.

Maddox To Build Herd

E. HUGH MADDOX of Jacksonville, Florida, who owns a large farm at McDonough, Georgia, has recently purchased a number of young animals, on which he will build a future herd. He purchased from H. B. Heilig, Salisbury, North Carolina, three daughters of Klondike Gay Dick 195093, also one daughter of Rancho Maxine's Cavalier 160188. Mr. Maddox also purchased from Pat Crow, Marietta, Georgia, three daughters of Klondike Gay Harry 195092, a triplet brother to "Gay Dick."

A New Breeder

CHARLES H. SMITH of Temple, Maine, by reason of age and insufficient help is disposing of most of his Guernseys but is retaining a favorite cow as a foundation. He made a new Guernsey man up in Aroostook by the sale of three head and others went to some well known breeders.

Interest Good

G. M. HATCH, secretary of the Franklin County Breeders Association of Maine, says that interest in pure bred Guernseys was never higher than at the present and that the Franklin County Fair will demonstrate this fact. Mr. Hatch states that in the report of the annual meeting much credit should have been given to Mr. and Mrs. E. W. Savage for giving of their time and work in making a success of the meeting at Pine View Farm at Farmington.

Virginia After Bang's Disease

REPORTS coming from the State of Virginia indicate that it may be one of the first states to be free from Bang's Disease. Recently H. C. Givens, State veterinarian, visited Washington and secured the necessary information to take advantage of the government allotment for Bang's Disease. Being unable to secure sufficient contracts and branding irons, Dr. Givens took what he could and returned home. There he made copies of the contract, had some branding irons made, used improvised tags and returned to Washington with one thousand contracts to rid the Disease from his state.

Barns Burn

R. M. SIMMONS of Kingfield, Maine, lost two big barns and 150 tons of hay by fire on July 25. It is indicated he will disperse his herd of Guernseys, all registered stock, as the result.

GORDON HALL

I am now buying cattle on commission and acting in an advisory capacity. Through long and close association I am well acquainted with the Eastern herds and can be of real help in making selections. Have some rarely good offerings of females and young bulls at this time. If you are interested, I should be pleased to give such information as is desired.

SNOWDEN LANE

Princeton **New Jersey**

Woodlands Heifers Die of Poisoning

FOUR heifers at Woodlands Farm, White Plains, New York, died recently from poisoning contracted when they strayed out of pasture.

Hunt Wildcat Cattle Killer

TWO prize Guernsey heifers and sheep, belonging to William H. Champlin, Rochester, New Hampshire, are believed to have been killed by a wildcat. A hunt is being made in the Rochester Hill section for a wildcat heard in that section for several nights.

Loma Farms

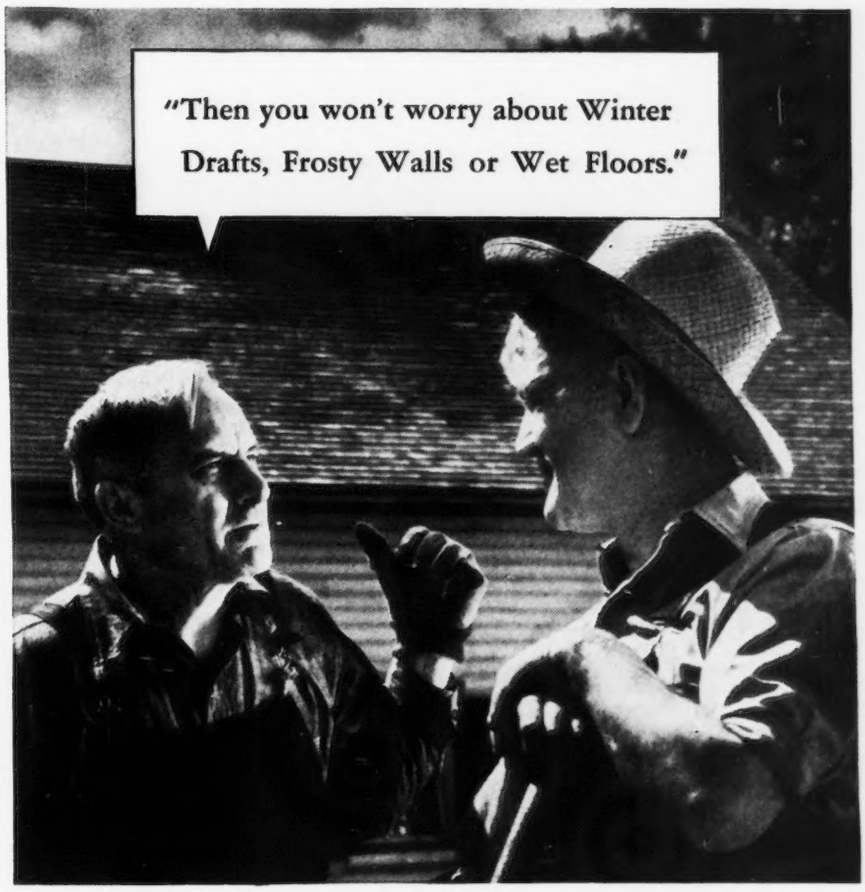
A field representative recently visited Loma Farms, located in the Upper Peninsula at Marquette, Michigan. This farm represents one of the most unique breeding establishments in America. It is located in one of the most beautiful, natural and undeveloped wooded sections in Michigan, high up on a rocky hill along the shores of Lake Superior.

When the farm was first started by Messrs. L. G. and M. Y. Kaufman, it was on wild, unimproved land. Mr. Kaufman undoubtedly received his inspiration for starting Loma Farms when he visited Switzerland. Much credit is due Mrs. L. G. Kaufman for the interest she has taken in the development of the land. Through draining, clearing, etc., approximately 1,000 acres of the 10,000 are now under cultivation.

Mr. Kaufman is now spending considerable time on the farm and is taking a keen interest in the development of the herd. He is especially pleased—and justly so—with the many excellent young animals that are now coming on. Several excellent bulls are now in use on the farm; these are led by Shuttlewick Ajax 146487, that is sired by Shuttlewick Champion 100971 and out of Shuttlewick Hebe 129735. This herd has and is playing a great part in the development of Guernsey interest in the Upper Peninsula. Mr. Kaufman is very much interested in continuing the herd and is making continual improvements for constructive breeding. The herdsman at Loma Farms is Paul Best.

Guernsey breeders who travel up to the Upper Peninsula would surely want to make it a point to visit this outstanding breeding establishment. —C. B. Finley.

"What you need in that barn is *Celotex* weather protection"



"THAT barn is O. K., John, but I know it's hot as a furnace in there—and I'll bet it's just as uncomfortable in winter—wind probably plays hide and seek in those stables—and that's not so good for cows either.

"But it's easy to make that barn right and it won't cost much. Just line it with Celotex insulation and you'll have good conditions, winter and summer—both for you and the stock.

"I know—tried it in my own dairy barn last winter. My barn wasn't tight—lost a lot of the heat from the cows. The drafts had me worried—the floor was damp a lot of the time—and I had frosty walls—used to dread those bitter cold days, especially at milking time.

"Well, our lumber dealer told me what to do—said I ought to make the barn tight and Celotex would do the trick. It's good common sense—can't control temperature in a drafty, heat-leaking barn. You can't ventilate one either.

"I did just what he showed me—lined it with Celotex—built a simple ventilating system—and now it's tight, warm and dry. Didn't have to worry about drafts on the cows—or wet walls. The floor was dry, too. And today my barn is much cooler than yours. Come over and see for yourself."

John wrote to us for the name of the nearest Celotex lumber dealer to get the facts. Why don't you do the same?

Necessary Protection—All Celotex Cane Fibre Products are manufactured under the Ferox Process (patented) and therefore effectively resist damage by Fungus Growth, Dry Rot and Termites (White Ants).

CELOTEX
BRAND
INSULATING CANE BOARD
Reg. U. S. Pat. Off.

G. B. J.-9-34

THE CELOTEX COMPANY
919 No. Michigan Ave., Chicago, Ill.
Please tell me the name of the Celotex dealer. I want to correct the conditions in my dairy barn.

Name _____

Address _____

City _____ State _____

THE 100% CLUB

All members of the Guernsey Breeders Associations listed here subscribe to the JOURNAL.

If you are in the market for Guernseys, write the secretary of any of the clubs, or several of them, and they may be able to help you locate your wants.

California

Central California Guernsey Breeders Association, C. E. Fisher, Sec., Hughson.

Idaho

Bonner County Guernsey Breeders Association, F. L. Cochrane, Sec., Kootenai.

Inland Empire Guernsey Cattle Club, Mrs. Emil S. Boller, Sec., Potlatch.

Indiana

Adams County Guernsey Breeders Association, Reinhold Koldewey, Sec., Decatur.

Elkhart County Guernsey Breeders Association, A. H. Michel, Sec., Goshen, R. R. No. 2.

Howard County Guernsey Breeders Association, T. D. Poe, Sec., Kokomo.

Huntington County Guernsey Breeders Association, Fred A. Loew, Sec., 916 Himes Street, Huntington.

Marshall County Guernsey Breeders Association, W. R. Matthews, Sec., Box 254, Plymouth.

Randolph County Guernsey Breeders Club, P. O. Shierling, Sec., Saratoga.

Iowa

Iowa Guernsey Breeders Association, Philip Mahr, Sec., Indianola.

Michigan

Genesee County Guernsey Breeders Association, A. D. Alldredge, Sec., Flint.

Missouri

Marion County Guernsey Breeders Cattle Club, William Frankenbach, Sec., Hannibal, R. 1.

Nebraska

Nebraska Guernsey Breeders Association, L. H. Daft, Sec., 2902 North 59th Street, Lincoln.

New York

New York Guernsey Breeders Co-Operative, Inc., B. J. H. Rikert, Business Manager, 305 Fayette Park Building, Syracuse.

North Carolina

Guilford County Guernsey Breeders Association, W. C. Fleming, Jr., Sec., Greensboro.

North Carolina Guernsey Breeders Association, T. H. Antrim, Sec., Box 335, Durham.

Ohio

Van Wert Guernsey Cattle Club, Otto Gehres, Sec., Wren.

Pennsylvania

Cambria County Guernsey Breeders Association, W. J. Hoover, Sec., Patton

Chester County Guernsey Breeders Association, H. M. Pate, Chadds Ford Junction.

Franklin County Guernsey Breeders Association, Frank N. Miller, Sec., Waynesboro.

Washington

Lewis County Guernsey Cattle Club, R. B. Ticknor, Sec., Centralia.

Pierce County Guernsey Cattle Club, C. J. Lawson, Sec., Puyallup.

Yakima Valley Guernsey Breeders Association, J. L. Addington, Sec., R. 7, Box 343, Yakima.

Skagit County Guernsey Cattle Club, G. O. Bates, Sec., Burlington.

Wisconsin

La Crosse County Guernsey Breeders, Inc., Vilas Young, Sec., West Salem.

Dairy 4-H Club Work in Iowa

A TOTAL of 1667 Iowa farm boys and girls have been enrolled in the 4-H Dairy Calf Club this year, according to Ernest M. Wright, field secretary of the Iowa State Dairy Association, who has charge of this Association's work with club members. These boys and girls are scattered in seventy-six Iowa Counties, and own 2381 heifers.

Holsteins take the lead with 852 club members owning 1207 heifers; Guernseys rank second with 450 members and 655 heifers; Jerseys stand third with 203 members and 338 heifers; while Brown Swiss were selected by 116 club members who own 152 heifers. Nineteen club members will show twenty-nine Ayrshire heifers.

In 1933 4-H dairy clubs were organized in eighty-one counties of Iowa and there were 1841 members who owned 2697 heifers. According to Mr. Wright, this year's decrease is largely due to two facts. First, many county agents have been so busy with the Corn-Hog and other AAA programs that they did not have time to devote to organizing 4-H clubs. Second, the shortage of available funds with which to buy a calf kept many boys from joining this year. Most dairy club members buy their heifers during March, April or May and this year very little money was to be found on the average Iowa farm at that time.

Black Hawk County has the largest club, with 113 members and 139 heifers; Polk County has seventy-one members with eighty-seven heifers; and Kossuth County stands third with forty-nine members and fifty-nine heifers. The other counties with the largest number of club members enrolled are as follows: Webster, forty-seven; Bremer, forty-five; Boone, forty-four; Franklin and Linn, forty-one; Palo Alto, thirty-nine; Dickinson, thirty-eight; Fayette, thirty-seven; and Jones, thirty-six.

The 4-H dairy calf club work is sponsored by the Iowa State Dairy Association in cooperation with the County Farm Bureaus, Extension Service Department of Iowa State College and the United States Department of Agriculture, along with breed associations and other organizations.

BREEDERS' LIST

Your name may be listed here by states for one year by sending us $5.00. This also entitles you to a year's subscription to the GUERNSEY BREEDERS' JOURNAL. If you already subscribe to the JOURNAL an adjustment will be made.

Georgia

Meadow Vista Farm, Sandersville

Indiana

Martin-Violette Farm, Goshen

Massachusetts

Milestone Farm, M. C. Holden, Barre

Maryland

Mount Ararat Farms, Dr. Joseph I. France, Port Deposit

Missouri

Laddonia Guernsey Farm, Kroencke and Schutte, Owners, Laddonia

Sunnymede Guernsey Farm, Missouri Improvement Company, Bismarck

New Jersey

Hollow Hill Farm, Mr. and Mrs. Paul Moore, Convent

Texas

Lawnview Farm, Louis Mackensen, R. F. D. 1, Box 18, Houston

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Hop Yard Farm, Alvin T. Embrey, Sealston

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TORRINGTON, CONNECTICUT

GOLDEN CROWNS

on your Milk Bottles

Improve Their Appearance

Increase Milk Sales

THE CRAWFORD PRESS

South Weymouth, Mass.

Samples for the asking

Reserve Space Immediately

for the

October 1 Issue

Middale Guernseys Lead

FOR the second time this year, the herd of registered Guernsey cows at the Middale Guernsey Dairy, Vancouver, Washington, headed the county herds for the month of June in the Clark County Dairy Herd Improvement Association.

The records being made by this herd are being watched with keen interest in Clark County, as the Middale animals are composed entirely of pure bred Guernseys. With three dry cows figured in, the herd averaged thirty-nine pounds of butter fat for the month of June.

In addition to the Dairy Herd Improvement Association records, six of the animals are now on Advanced Register test, with unofficial credits for the month of July ranging from fifty-three to over seventy pounds of butter fat.

South Jersey Meeting

THE annual meeting of the South Jersey Guernsey Breeders Association was held on the evening of July 20 at Friendship Community Hall, Monroeville, New Jersey. This is an annual affair to bring together the Guernsey breeders and friends from South Jersey, northern Delaware and Pennsylvania. One hundred and seven people met and listened to the speech of welcome given by Joseph P. Broadhurst.

Roy C. Patrick was the song leader and a reading was presented by Kenneth Harris. Speakers of the evening included E. T. Tomlinson of Bridgeton, New Jersey; Harry W. Leeds, member of the Executive Committee of The American Guernsey Cattle Club, Atlantic City; William H. Nulton, Jr., secretary of the New Jersey Guernsey Breeders Association; Harry Pate, secretary of the Chester County Guernsey Breeders Association of Pennsylvania; Edwin Hitchens, president of the New Castle Guernsey Breeders Association, and Karl B. Musser, secretary of The American Guernsey Cattle Club.

The committee in charge of the meeting was Joseph P. Broadhurst, Roy C. Patrick, Herbert Borden and Harvey Beale.

La Peer County Breeders Meet

LA PEER County, Michigan, Guernsey breeders held their annual summer field day at the farm of Charles A. Walker of La Peer, Michigan. Breeders from several adjoining counties were also present. One of Michigan's famous Guernsey potluck dinners was enjoyed at noon, after which the program started with remarks by H. W. Wigman, Secretary of the Michigan State Association. C. B. Finley of The American Guernsey Cattle Club was present and addressed the meeting

Mr. Walker's good herd of cattle was then inspected as well as his dairy. He, with the help of his son, is now marketing milk in La Peer, Michigan. Two classes of cattle were judged. Those present felt well repaid for a worth while day.

The New "JAY BEE" Grinder — The FEED MASTER

Grinds Every Grain-Roughage Grown
Makes Feeds Go 25% to 40% Farther
Every dairyman—live stock feeder can make highly nutritious, palatable feed from home grown crops. Don't waste high priced feeds feeding them whole. Grind them with **"JAY BEE" all steel hammer mill.**
Big capacity. Operates with any farm tractor without jack shaft. Swing hammers. Quick changing screens. Grinds fine, coarse, medium. Long life. No costly breakdowns. **"JAY BEE" are the world's standard. Over 18,000 in use all over the world, setting the standard for capacity, economy and durability. Write for feeding facts. low price, terms, etc.**
J. B. SEDBERRY, INC. 145 Hickory St., Utica, N.Y.

WANTED
Position As Manager
By married Holland-American man. Life experience with cattle, 16 years with Guernseys. Have made good records, produced certified milk; do most all my own veterinary work. Best of references.
BOX N. J.
Guernsey Breeders' Journal
Peterboro, New Hampshire

Position Wanted
as herdsman or test cow milker. Five years experience with test cows making up to 870 lbs. fat. Short course training, Graham Breeding School. Excellent references.
Box S. J. C.
Guernsey Breeders' Journal
Peterboro, N. H.

Position Wanted
As Working Farm or Estate Manager. Lifetime experience with Guernsey Cattle, horses, poultry. Thoroughly understand farm machinery and raising farm crops. Best references.
BOX M. C.
Guernsey Breeders' Journal
PETERBORO, N. H.

Position Wanted as Farm or Herd Manager
Experienced in the breeding and building of a pure bred Guernsey herd; fitting, showing, A. R. production, Grade A milk, crop production. Wisconsin graduate, married age 35. Excellent references. Available October 1.
BOX L. P.-L.
GUERNSEY BREEDERS' JOURNAL **PETERBORO, N. H.**

WANTED
COWS and HEIFERS
By a farmer in Columbia County, New York, about twenty to twenty-four registered young Guernsey cows or heifers. Must be first class, negative to the blood test for abortion and T. B. accredited. Will buy and pay cash if reasonable.
J. F. B.
HILLSDALE Box 234 NEW YORK

Subscription Rate to the
Guernsey Breeders' Journal

One Year	$1.50
Two Years	$2.50
Three Years	$5.00

Foreign Rates Add Postage	1 Year	.60
	2 Years	$1.20
	5 Years	$3.00

POSITION WANTED
Good Experienced Herdsman open October 1. Married, no children. $125.00 monthly.
FLOYD K. SEVERSON
Bridgewater, Connecticut

FOR SALE—Splendid Registered Guernsey Bull
3 YEARS OLD
Horus of Gravesleigh 186067
A son of the Class Leader, Green Meadow Marietta 320444, that made 14858.0 lbs. milk and 861.6 lbs. fat in Class C. His sire is Green Meadow Masterman 146346.
MRS CLARA S. GRAVES
249 Holmes Road Pittsfield, Mass.

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White Plains Box 788 - New York

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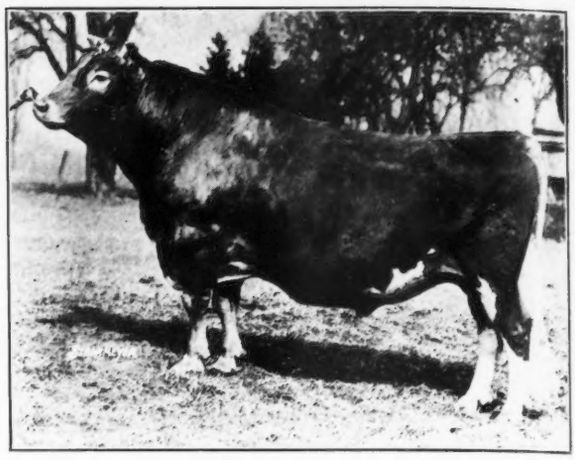
PRIZE WINNERS
Mark them with DANA Horn Chains

Convenient, permanent, attractive. Brass-plated steel chain with solid brass padlock engraved with any marking desired. Cow blankets and full line of supplies in our 1932 Catalog, all at lowest prices. Send today.
C. H. DANA CO.
45 Main Street West Lebanon, N.

IMPROVED
"PELOUZE" Dairy Scales
Three Sizes:
40, 60 and 120 lbs.
Our new Dairy Scales have extra large dials of genuine vitreous porcelain, acid-proof, non-corrosive and permanent—wide graduations easy to read. They have patented adjustable index pointers for obtaining tare weight of empty pail.
"Pelouze" Scales are warranted accurate and made to comply with the Departments of Weights and Measures in all States. Order through any leading supplyhouse. Specify "PELOUZE" Send for circular.
Pelouze Manufacturing Company
232-242 East Ohio St., CHICAGO

Imp. Dunwalk Lad 113342

Leased to Pennsylvania State College



IMP. DUNWALK LAD 113342 now heads the Guernsey herd at the Pennsylvania State College. He came on lease from the well-known Glenburnie Farm which is owned by Dr. James E. Russell of Trenton, New Jersey.

The College is fortunate in securing Imp. Dunwalk Lad 113342 as he not only shows desirable conformation but is also a proved sire. Seventeen of his daughters have completed Advanced Register tests with an average production of 11528.97 pounds of milk and 600.46 pounds of butter fat. Nine other daughters are now on test in immature classes. In every case "Lad" has raised either the milk or butter fat of his daughters over that of their dams and in many cases the daughters have produced more milk and also more butter fat than their dams.

Imp. Dunwalk Lad 113342 was sired by May Rose Lad of the Spurs R. G. A. S. 4575 P. S. and his dam was Imp. Buttercup of Beaulieu 190652. She has an Island record in class F of 10147.0 pounds of milk and 578.0 pounds of butter fat. In class A she produced 13789.1 pounds of milk and 731.7 pounds of butter fat. In his pedigree are combined the bloodlines of the well-known Island families—France, Masher, May Rose and Governor of the Chene.

The Guernsey herd was established at the College in 1889 and consisted largely of grade cows and a few pure breds. Pure bred sires have always been used. The grades were gradually eliminated from the herd, and for the last fifteen years only pure bred females have been kept.

Some time ago the policy of using proved sires so far as possible was adopted for the College Dairy herds. The daughters of each herd sire are retained in the herd and daily milk records are kept for each individual. During the past year the Guernseys, including all ages, averaged a little over 8000 pounds of milk and nearly 400 pounds of butter fat.

High Cow

A GUERNSEY cow, owned by Clatton White of Stow, New York, was high cow in the West Chautauqua Dairy Herd Improvement Association for the month of July, producing 423 pounds of milk containing 65.5 pounds of butter fat.

Mr. White's herd was high herd for the month, eighteen Guernseys producing an average of 706 pounds of milk and 36.4 pounds of butter fat.

Six Guernseys in the White herd and two in the Heweshurst Farms herd at Mayville, New York, were among the 50 pound fat cows for the month.

M. D. COLE

Position Wanted Manager or herdsman on farm or estate. Fifteen years breeding registered Guernseys. Entire responsibility of farm, including dairy, farm machinery, gardens, help and retail trade. American Protestant references.
Address Box 206, South Attleboro, Massachusetts

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Transcript Printing Co.
PETERBORO, N. H.

Franchester - Elgercon Sale

With Consignments

October 3 - Wooster, Ohio

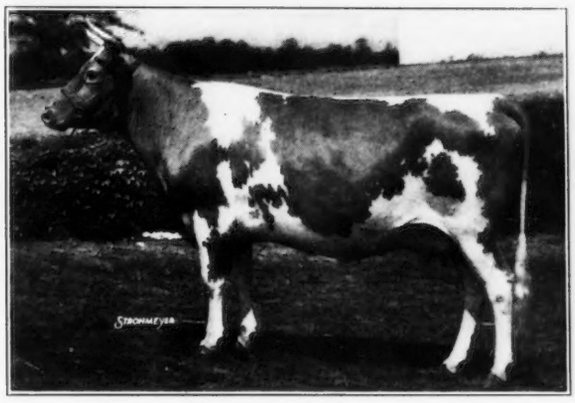
This is the fifth year for Franchester and the second for Elgercon to offer a high class lot of Guernseys to the public. As usual the cattle will be sold T. B., Mastitis and Bang's Disease free.

55 HEAD 55

5 Bulls from A. R. Dams **32 Head of Milking Cows** **18 Choice Heifers**

Including FRANCHESTER COMPLIMENT 279151

A. R. daughter of Green Meadow Constant 89353 A. R.



12,022.3 lbs. of Milk, 573.8 lbs. Fat in Class C (unofficial)

5 Typy bred heifers, daughters of **Langwater Pretor 175063**

3 Daughters of **Langwater Shah 97043.**

3 Daughters of one of Ohio's Greatest Sires, **Upland's Vaillant 57173.**

5 Choice daughters of **Green Meadow Constant 89353,** two A. R.

3 Mature tested daughters of **Shuttlewick Strongheart 88055.**

2 Daughters of **Gypsie King of Elgercon 124136.**

Highest Tested daughter of **Cherub's Royal Champion of Shorewood 79064.**

2 Show Prospects. One an A. R. daughter of Lieutenant Governor 58842, the other a [418 pounds of fat in C. T. A. record] daughter of Topsy's May Day 64304 A. R.

3 Daughters of that great breeding **cow Marie of Rural Home 188910**

16 A. R. cows in all with records averaging over 550 lbs. fat.

Sons of Langwater Pretor 175063, Valor's Peerless 162144, Green Meadow Constant 89353, Franchester Czar 198643 and Independence Lad of Elgercon 196292 out of good A. R. cows.

One of the greatest lots of cattle ever offered in Ohio

Catalogues ready for mailing September 24

OHIO GUERNSEY BREEDERS ASSOCIATION

Wooster - Ohio

MEREDITH FARM
TOPSFIELD, MASSACHUSETTS

FOR SALE: a line bred Dolly's Foremost of High Rock Bull Calf. Born April 9, 1934. Dam has 15367 milk, 761 fat in A and three daughters all with records over 700 lbs. fat in the junior classes. Because of a dark nose this real dairy bull is priced low. Sire and dam and all grandparents have perfect noses.

ACCREDITED — NEGATIVE

E. WIGGLESWORTH — **H. M. CLARK**
Owner — Manager

ALTA VISTA - LAKE GENEVA, WISCONSIN

FOR SALE—A few choice Guernseys

Young bulls, bred heifers and cows of inherited quality, type and production. Close descendants of most famous Sires and Dams—May Rose Breeding. All cows in milk have made creditable records or are now under test.

HERD SIRES

Foremost May Royal 145958—Coronet Silver King 188875. Herd Accredited. All Animals Negative. Send for sales list. State fully your requirements. Prices moderate. Inspection cordially invited.

Address: **WILLIAM NELSON PELOUZE**
Office: 232 East Ohio Street, Chicago

Dispersal Sale at Chester Guernsey Farm
Reff & Meyer, Owners,
Keystone, Indiana
54 HEAD
MONDAY, SEPTEMBER 24, 1934
LINE-BRED LANGWATERS

Charter Oak Chief 182445 and 17 of his daughters sell. "Chief" is a double grandson of Langwater Hornet 39438. His sire, Lirma's Laudable 99695 has 8 A. R. daughters, and his dam, Kiara 127365 has 833.3 lbs. fat, Class A, and is dam of one with 568.4 lbs. fat, Class E.

T. B. Accredited Herd Negative to the Blood Test

For a catalogue write

ROY D. HIATT, Sale Manager - Portland, Indiana.

This Space...

would advertise your herd before all the progressive Guernsey Breeders in America for $5.80 per issue.

Sales and Fairs Improving

Illinois State Fair with 225 head takes on national significance.

Conneticut State Sale averages $155.00, exceeding 1933. Six cows in milk bring average of $328.50.

Begin advertising immediately to secure your share of business.

Guernsey Breeders' Journal

High Hill Farm

Offers for Sale Daughters of

WARD ACRES BET 155512
and
BIRCHFIELD EASTERN 198208

ACCREDITED and BLOOD TESTED

E. Ray Martin, Manager — **New Bedford, Massachusetts**

Woodlands Farm
OFFERS FOR SALE

Three Bull Calves from record cows, two to nine months old, at prices within the reach of any depression pocketbook.

W. B. JONES

White Plains — Box 711 — New York

Complete Dispersal Sale

Two Daughters of Frenchman's Defender 73725

of the famous

Thornwood Farm Guernsey Herd

Established by B. S. Wallace and W. J. Warren, Owners, Grand Rapids, Michigan

Sale will be held September 26, 1934 at the Thornwood Farm, Ada, Michigan

The herd consisting of more than 85 animals, is one of the best bred herds in the middle west. The animals are of good type and of excellent breeding. Every animal is backed by high production for generations.

Frenchman's Defender 73725, A. R., by Langwater Frenchman 19226, A. R., by Dolly Dimple's May King of Langwater 12997, A. R., and 44 of his daughters are in the sale. Eighteen of them have A. R. records that average 507 lbs. fat in immature classes.

Langwater Argyll 160703, by Langwater Pharaoh 98719, A. R., out of Upland's Mary 93170, by Langwater Cavalier 21012, and 26 of his daughters are in the offering.

There are several young animals out of the junior herd sire, Thornwood Argyll 187829, a son of Langwater Argyll 160703 and out of a daughter of Frenchman's Defender 73725 that has a record of 14310.7 lbs. milk and 716.5 lbs. fat in Class DD.

For further information and catalogue, address

H. W. WIGMAN, Sec., Michigan Guernsey Breeders Association, Lansing, Michigan

Guernsey Pedigree Service

TYPEWRITTEN PEDIGREES

We supply two-color, typewritten pedigrees with show winnings, Advanced Register data and outstanding sale prices as follows:

Size	*Price Each*
8½ x 17 inches, 14 ancestors	$1.00
11 x 17 inches, 30 ancestors	1.50
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Extra charge, if sketch is desired on any of the above pedigrees	.50

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Size	*Price for ten*
8½ x 17 inches, 14 ancestors	$1.50
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Note: In compiling duplicator pedigrees it is necessary to prepare a master copy. When ordering duplicator pedigrees, therefore, include the regular price for one pedigree, as given above, plus the charge for ten duplicates. The master copy and the ten duplicates will be furnished.

THE AMERICAN GUERNSEY CATTLE CLUB

Peterboro, New Hampshire

CHEDCO FARM

Offers For Sale

CHEDCO ACORN 208478

dropped May 15, 1933

Sire, Cramond Horatius 81664

Dam, Mixter May Fern 106056

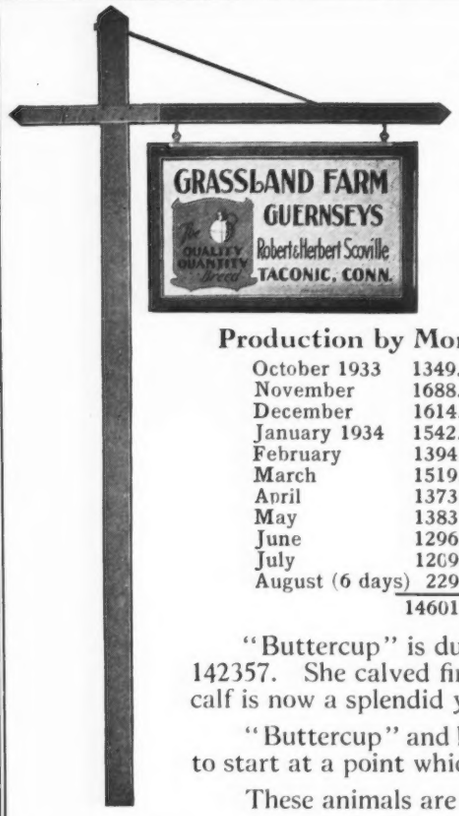
12021.0 lbs. milk, 556.6 lbs. fat, Class F
16573.8 lbs. milk, 742.9 lbs. fat, Class A
"Acorn" is a full brother to Chedco Laddie 139827, herd sire at Raemelton Farm. Those daughters of "Laddie" out of "Sun" daughters, twenty-four in number, are apparently developing into better cows than their dams. They show a still better fore-udder, and they have a square, level rump, and a ruggedness that makes it possible for a close observer to pick out every one of them." Pictures of Chedco Laddie's daughters and descriptions in August 1 Journal.

C. E. COTTING

50 Federal Street, Boston, Mass.

Accredited Herd 100024

Negative to Agglutination Test



UNSURPASSED BLOOD LINES

SATISFACTORY TYPE

WORLD RECORD PRODUCTION

QUANQUAL BUTTERCUP 329821

Born December 24, 1930

Production by Months:

October 1933	1349.8 lbs. milk
November	1688.8 lbs. milk
December	1614.3 lbs. milk
January 1934	1542.9 lbs. milk
February	1394.7 lbs. milk
March	1519.8 lbs. milk
April	1373.0 lbs. milk
May	1383.3 lbs. milk
June	1296.7 lbs. milk
July	1209.2 lbs. milk
August (6 days)	229.0 lbs. milk
	14601.5 lbs. milk

(Unofficial, but if this cow calves properly this will be the highest record in the class.)

Sire—Grassland Polly's Valentine 98473
Connecticut Proven Sire

Dam—Bosworthfield Eugenia 129799
10893.6 lbs. milk, 464.2 lbs. fat, Class BBB
12309.8 lbs. milk, 496.9 lbs. fat, Class A

"Buttercup" is due to calve October 26 to the service of Bosworthfield Kensington 142357. She calved first Oct. 3, 1933, to the service of Grassland Elijah 196746. This calf is now a splendid yearling heifer.

"Buttercup" and her yearling daughter are now for sale to some breeder who desires to start at a point which few breeders ever attain.

These animals are Federal Accredited and are State Accredited for Abortion.

E. G. Woodward -:- Taconic, Connecticut

Foremost Faithful Supreme 211205

SENIOR HERD SIRE

Sire, Royal Supreme 137088, A. R.
10 A. R. Daughters
Sire, Mixter May Royal 65203, A. R.
47 A. R. Daughters
12 A. R. Sons
Dam, Follyland Nancy 52457
12270.9 lbs. milk, 712.6 lbs. fat, Class G
Class Leader Record
Dam, Mixter Faithful 101637
12601.9 lbs. milk, 744.7 lbs. fat, Class FF
Class Leader Record
Sire, Langwater Demonstrator 16451
77 A. R. Daughters
12 A. R. Sons
Dam, Mixter Faith 48711
13933.0 lbs. milk, 720.9 lbs. fat, Class AA Class Leader Record

R. E. Johnson, Professor Dairy Industry, Connecticut State College says, "We have four daughters of Foremost Faithful Supreme 137088 that are an eyeful."

This bull will be used on all foundation cows. His first calves will start dropping soon.

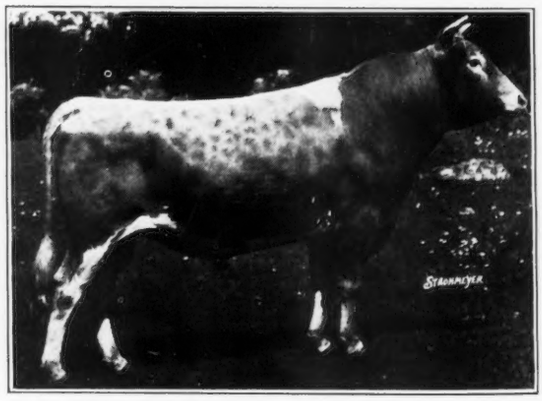
Young Bulls from Foundation Cows in calf by good sires, when purchased for sale, from three to eight months of age

McDONALD FARMS

J. M. McDONALD, Owner

Cortland - - New York

Horse Shoe Falls Farms



CAUMSETT COURAGEOUS 136678

First six daughters average over 12300 lbs. milk, 568 lbs. fat in Class F.

Offer For Sale

BULL CALVES sired by "Courageous" and out of

Horse Shoe Eloise 217217
16619.1 lbs. milk, 748.1 lbs. fat, Class C
Horse Shoe Duchess 327288
11058.1 lbs. milk, 606.8 lbs. fat, Class G, unofficial
Yeoman's Mixter Mayflower 166683
10535.4 lbs. milk, 507.9 lbs. fat, Class E

BLOOD TESTED — FEDERAL ACCREDITED

George P. Clark, Owner — Alfred C. Browning, Manager

SHANNOCK, RHODE ISLAND

ADOHR MILK FARMS
GOLDEN GUERNSEY
LICENSED BY GOLDEN GUERNSEY, INC. TRADE MARK
LOS ANGELES

The LARGEST PRODUCER
AND DISTRIBUTOR OF
GOLDEN GUERNSEY MILK
IN AMERICA

We would like to show
you our Guernseys.
When in California visit

ADOHR MILK FARMS
LOS ANGELES, CALIFORNIA

World's Largest Guernsey Herd

FLOUR
Stops Jungle Lion

Mr. and Mrs. Martin Johnson returned last month from another African game expedition. While preparing food in an amphibian plane, parked on the plains, Mrs. Johnson glanced up from her cooking to find a lion gazing at her with its two front paws on the fuselage. She threw a pan of flour in the lion's face and it was so surprised that it growled and walked away followed by 13 other lions who were feeding near by on a recent kill.

Dunn's Tour doesn't encounter lions but it does encounter bulls and herds of Guernseys grazing in country little known to the Guernsey breeders. Many buyers have made a killing on these tours finding outstanding herd sires, high producing cows and herds representing real constructive breeding.

Let Dunn's Tour provide you with guide and car if necessary to the grazing fields where one can enjoy good hunting for Guernseys.

Now is the time for good hunting. We know of several good herds waiting for some one to discover them.

Back in the Guernsey Jungles one can find good young fresh cows, open and bred heifers that we can recommend.

Join our hunting parties this fall and make a kill for yourself.

DUNN'S TOUR

Schoharie - New York

Langwater Peterkin 146815 Heads Our Herd

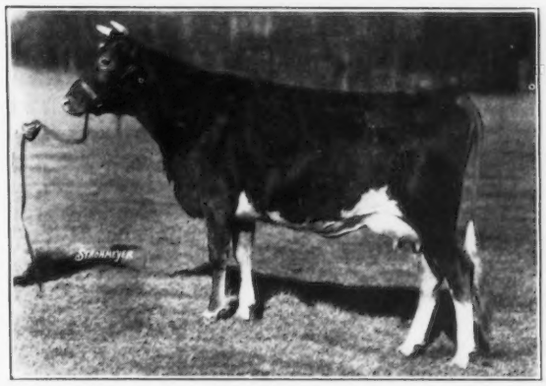
An Outstanding Son of "Peter Pan"

His Dam

Langwater Golden Cherry 195132 A. R.

A Very Typy animal that carries the breeding of Langwater Valiant 51868, A. R.

She is the dam of 3 A. R. daughters and 2 A. R. sons and is a descendant from Golden Cherry 5118 E. G. H. B.



LANGWATER GOLDEN CHERRY 195132, A. R.

"Peterkin" is carrying on the production ability and typiness of his sire, Langwater Peter Pan 116859, for many of his 25 daughters to freshen have milked over 40 pounds as two year olds. Nearly all of our herd will be bred to "Peterkin."

T. B. and BLOOD TESTED

WESTMONT FARMS

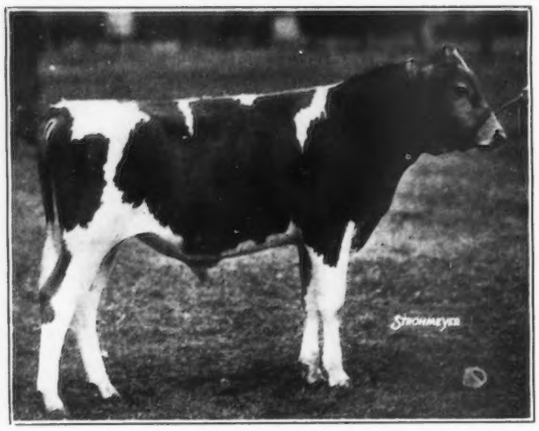
HARRY WEST
Owner

Brandywine Summit - Pennsylvania

CLARENCE GALBREATH
Superintendent

ROUGHWOOD GUERNSEYS

100 HEAD **Established 25 Years**



FLORHAM SENSATION 214338
Sire: Florham Perfection 162958
Dam: Florham Polly 307289
2nd cow, Class G, 846.6 lbs. fat

We recently purchased for a Junior Herd Sire, the young bull,

Florham Sensation 214338

a fine son of Florham Polly 307289, Second cow in Class G.

Roughwood bulls seem to please purchasers. We recently supplied one herd with their fourth Roughwood bull over a period of years and many of our sales are repeat orders.

We offer only the best and have several good ones for sale at present at reasonable prices.

Federal Accredited ***Negative to the Blood Test***

GEORGE N. BARRIE, *Supt.* **CHESTNUT HILL, MASS.**

For Immediate Sale

MAPLE LANE HANSON'S KING 209391
Dropped July 8, 1933.

Sire: Saugerties Africander 116932, A. R.
9 daughters tested average 12017.14 lbs. milk, 658.18 lbs. fat
7 in Class G and 2 in Class F
His sire, Langwater Africander 57121, A. R., and his dam that great producing dam—Dora of Shagbark 88584, A. R.

Dam: Maple Lane Monarch's Violet 232886
13128.6 lbs. milk, 651.2 lbs. fat, Class D
She by Saugerties Ultra Monarch 77702, A. R., and out of Upland's Rosette 140218

Price $250.

MAPLE LANE FASHION'S LAD 217520
Dropped August 16, 1933.

Sire: Saugerties Africander 116932, A. R.

Dam: Maple Lane Monarch's Fashion 341461
Now on test and making better than 700 pounds in Class G. Her sire, Saugerties Ultra Monarch 77702. Her dam, Maple Lane Africander's Fashion 255271, a daughter of Saugerties Africander 116932, A. R.

Price $250.

MAPLE LANE VIVIAN'S STEADFAST 209989
Dropped March 15, 1933.

Sire: Saugerties Golden Steadfast 190975
Whose dam and sire's dam averaged 13439.35 lbs. milk and 712.1 lbs. fat

Dam: Maple Lane Africander's Vivian 266568, A. R.
13045.2 lbs. milk, 702.7 lbs. fat, Class G
A full sister to Maple Lane Hanson's King 209391, the first bull offered above.

Price $750.

Federal Accredited — 125 Head — Negative to Blood Test

MAPLE LANE FARMS

Kingston, New York

A. H. CHAMBERS, Owner **T. J. DOYLE, Manager**

Visitors Always Welcome

NASHOBA GUERNSEYS

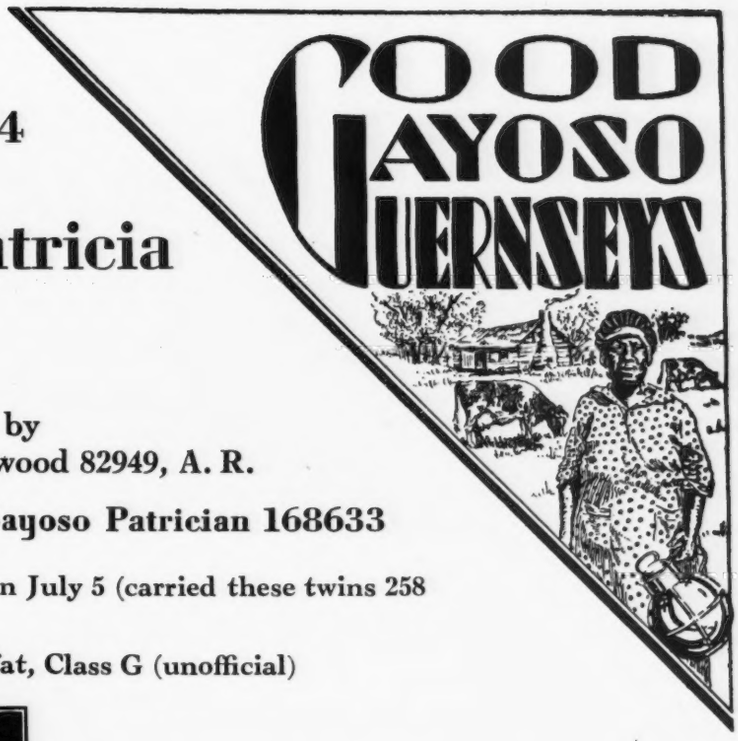
WHITCOMB FARMS
GOLDEN GUERNSEY
LITTLETON MASS.
EST. 1880

We offer for sale
five attractive granddaughters
of
Langwater Valiant 51868
from A. R. dams at very
reasonable prices

Home of
Greyholme's Choice Christine 260166
13521.9 lbs. milk, 729.1 lbs. fat
World's Record Cow in Class BBB

Accredited Herd No. 320663 **Abortion Free Herd No. 25**

H. H. WHITCOMB, Owner



Wednesday, August 1, 1934

Gayoso Peggy Patricia 387969

Dropped twin heifer calves by Woodbine's King of Beechwood 82949, A. R.

She is the first Daughter of Gayoso Patrician 168633

to finish her A. R. test. She finished on July 5 (carried these twins 258 days during the record) with

10874.5 lbs. milk, 708.2 lbs. fat, Class G (unofficial)

GAYOSO PATRICIAN 168633

A careful Selection of Gayoso breeding has been made and consigned to the Illinois—Indiana State Sale, Fair Grounds, Indianapolis, Tuesday, October 9. Seven splendid heifers, a show cow started on test, and one splendidly bred son of Woodbine's King of Beechwood 82949 out of a very good A. R. "Actor" Daughter. This is your best opportunity to secure some Good Gayoso Guernseys for Your Foundation.

GAYOSO PATRICIAN 168633 has the best show ring record of *Any Son of Langwater Actor 60162* A. R. He was undefeated Junior Champion in 1930 at the leading Middle and South Western State Fairs and was either first two year old or grand champion at four in 1931. Two more of his daughters are now on test. To August 1 one has 293.77 lbs. fat in 184 days, the other 198.96 lbs. fat in 100 days, Classes G and F.

GAYOSO PATRICIAN 168633 will be the ninth A. R. son of his great sire, Langwater Actor 60162 A. R. Two of "Actor's" sons are in service at Gayoso Farm, "Patrician" 168633 and Gayoso Steadfast, 175609 as are also two of his maternal grandsons, Gayoso Peggy's Squire 181711 and Gayoso May Beauty's Squire 174575.

The full sister of "Patrician," Gayoso Actor's Patricia 195206, has made 11971.5 lbs. milk, 716.5 lbs. fat, Class A, and on retest in 71 days has 4029.0 lbs. milk, 197.58 lbs. fat.

Gayoso Guernseys are carefully bred for
Both Type and Production

Let us send you information

Federal
Accredited
Herd

GAYOSO FARMS

Horn Lake - Mississippi

Negative
to
Blood Test

J. T. BUNTIN, Owner, Memphis, Tenn.

Address correspondence to
DIEDRICH ULKEN, Manager, Horn Lake, Miss.

BEECHWOOD FARMS GUERNSEYS

SENIOR HERD SIRE:

LANGWATER RAMESES 130281, A. R.

Sire: Langwater Pharaoh 98719, A. R.
Dam: Langwater Gem 122456, A. R.

JUNIOR HERD SIRE:

BEECHWOOD MAJOR 194875

Sire: Langwater Marmion 60160, A. R.
Dam: Imp. Langwater Ocean Queen 116749, A. R.

Langwater Rameses 130281 has ten A. R. daughters averaging 580 lbs. of fat. Of these records five were made in Class G, two in Class F, one in Class E, one in Class D and one in Class C. These records range from 529 in Class G to 737 in Class C.

WE ARE CONSIGNING three daughters and one son of "Rameses" to the Trenton Consignment Sale to be held on October 17, 1934.

HERD FEDERALLY ACCREDITED

RALPH E. FLINN
Owner

Address
JOHN F. COSTOFF
Supt.

Beechwood Farms - Sharpsburg, Pennsylvania

Pennsylvania Accredited Abortion free since 1930

RALPH E. FLINN, owner. Address, JOHN J. COSTOFF, Supt.

Mid-Cutstraw Farm

offers

At Private Sale

20 Young Registered Guernsey Cows

Accredited, Blood Tested

Calving in August, September, October, November

If you need Cows to give Golden Guernsey Milk. See

James B. Robertson

Paoli, Pennsylvania

Telephone Malvern 2266

FARMHILL

SEWICKLEY, PENNSYLVANIA

Owner, Mrs. Henry R. Rea

It is our desire to present to the readers of the Journal our breeding program. After much study of the performance of the Great Sires of the breed we decided to concentrate on the blood of Langwater Steadfast 31672, feeling that he has proved the ability to breed on.

Our first sire was:

SHUTTLEWICK GRAND VIZIER 139252

(a paternal great-grandson through that great cow, Shuttlewick Levity 101850)

Sire: Shuttlewick Champion 100971
Dam: Shuttlewick's Jipsultana 108138
17429.3 lbs. milk, 807.3 lbs. fat in Class E

His first daughter to finish test, Jeannette of Farmhill 344526, made 13947.0 lbs. milk, 630.7 lbs. fat in Class GG (unofficial), and exceeded her dam about 1500 lbs. milk and 15 lbs. fat in Class G.

"Vizier's" daughters are being bred to Green Meadow Royal 208942.

Sire: Green Meadow Coronation Prince 125281
Dam: Green Meadow Rosalind 217437
16246.1 lbs. milk, 817.1 lbs. fat in Class B

(A paternal sister to Green Meadow Coronation King 109429)

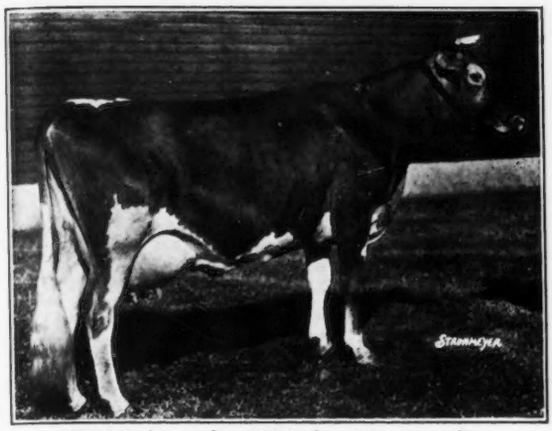
Address Correspondence to

ALEX DAVIDSON, Supt.

or

COREY C. GAREY, Herd Mgr.

Bonnie Bess of Fairview Farm 4th 225383



13737.5 lbs. milk, 635.2 lbs. fat, class C
11396.1 lbs. milk, 560.0 lbs. fat, class AAA

Her son, born December 6, 1932, by Gayhead's Amanallah 166073, is now offered for sale.

"A small herd of select breeding Guernseys"

Accredited Certificate No. 85652
Negative Certificate No. 62

Mr. and Mrs. Paul Moore
Owners

Raymond F. Benham
Herd Mgr.

HOLLOW HILL FARM

Convent - - - New Jersey

Greenway Farm

Ware, Massachusetts

Accredited ***Blood Tested***

Offers for sale at low prices several good young bulls out of dams with records up to 813 lbs. of fat and sired by

Golden Belle's Royal 84292, A. R.

13 A. R. daughters that average 12492.6 lbs. of milk and 600.8 lbs. fat.

—and—

Langwater Hardwick 141685, A. R.

4 A. R. daughters that average 11240 lbs. of milk and 591 lbs. of fat as two year olds.

We also offer a few females both open and bred

GEORGE H. TIMMINS
Owner

L. B. WILSON
Superintendent

GUERNSEY PEDIGREE SPECIALISTS

ESTABLISHED IN 1915

SALE CATALOGUES

In case you are planning an auction of Registered Guernsey cattle it will pay you to get samples and prices of our catalogues. Any size furnished from 14 ancestor 6 by 9 to 30 ancestor 9 by 12. Pedigrees fully extended and printing of the highest quality. Deliveries guaranted. Prices most attractive. Ditto 8½ by 11, bound catalogues with printed cover.

Two Color Typewritten and Ditto Pedigrees

Number of Ancestors	Size of blank	Number of copies	Cost
14	8½ by 11	1	$ .50
14	13 inch square	1	.75
14	8½ by 11	15	.75
14	8½ by 11	30	1.00
30	14 by 16	1	1.15
30	14 by 17	15	1.50
30	14 by 17	30	1.75
62	14 by 17	1	2.00
62	14 by 17	15	2.25
62	14 by 17	30	2.50
1 24	28½ by 17½ (Suitable for framing)	1	3.50

Pedigrees on large loose leaf blanks showing either 30 or 62 ancestors priced at $1.15 for 30 and $2.00 for 62 ancestors. Special discounts on entire herds. Send for samples and prices.

Ithaca Sales and Pedigree Company

513 N. Tioga Street

ITHACA - - NEW YORK

Telephone 3522

ALBAMONT GUERNSEYS

Campton, New Hampshire

Accredited ***Blood Tested***

Albamont Guernseys have always been high producers with fine individuality.

If you want to get the best value your money can buy in a bull, write for our sales list.

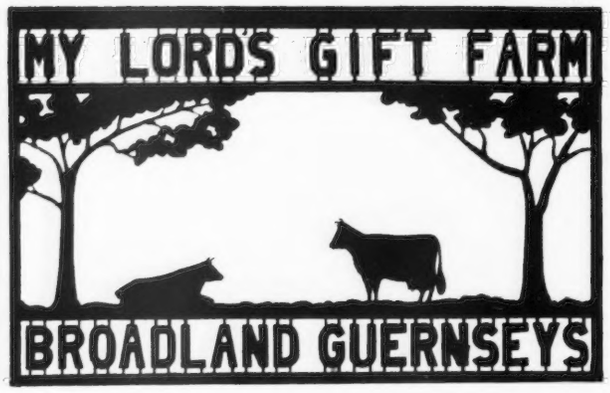
We also have a very few females to offer.

Prices very reasonable.

Write us of your wants.

JOHN C. HAARTZ

FEDERAL ACCREDITED HERD
NO. 330105



MARYLAND
ABORTION FREE HERD
NO. 26

Seven of Our Matrons Have Finished Test This Year

Production, together with dairy type, has governed the building of our herd. We purchased several younger animals as foundation matrons, because of their promise. During this year, these have been on test and we are pleased to say, that they have come up to our requirements.

The Seven Young Matrons, all of immature age, produced an average of
12639.4 lbs. Milk, 670.3 lbs. Fat

One of these Young Matrons was a daughter of our Herd Sire—Green Meadow Ambition 146344, A. R.—Green Meadow Cornelia 334025 that finished with 11779.0 lbs. milk, 684.0 lbs. fat, Class G.

Other records included:

	Milk	Fat	Class
Crusader's Bettina 311341	9778.7	585.4	F

We have for sale a few sons of "Ambition" out of dams with good records.

Queenstown - Maryland

THOMAS MARSALIS, Owner

JAMES T. GIBSON, Manager

Senior Champion

At Indiana's First Regional Show

Ont of "One of the Greatest Cows the Breed has Produced."

FLORHAM CONQUEROR 203806

Senior Champion at Indiana's First Regional Show, 1934

Sold at the 1933 Coventry-Florham Sale for $1,250

Sire: Florham Heritor 123422, A. R.
3 A. R. Daughters

Dam: Florham Polly 307289, A. R.
15463.7 lbs. milk, 846.6 lbs. fat, 2nd place in Class G.

Florham Conqueror 203806 represents years of constructive breeding. Every sire, in the second and third generation removed, has sired an 800 pound daughter or better. All sires are from great maternal lines of noted type and production.

"Conqueror" is by Florham Heritor 123442, the sire of 3 A. R. daughters, he by Langwater Star Gazer 60164, the sire of Florham Bella 139725 that has two records in A of 828.8 and 935.9 lbs. fat; Florham Duana 192548, with 868.2 lbs. fat, in A; Star Gazer's Easter Rose 128023 that has two records in AA of 804.5 and 859.6 lbs. fat, and a Class Leader Record in F of 786.1 lbs fat.

Florham Heritor 123442, the sire of "Conqueror" is out of a Great Producing Dam, Langwater Heritage 77997, that has a record in A of 876.9 lbs. fat. She is by Langwater Warrior 26509, the sire of Langwater Queen of the East 70304 that has a record in A of 831.0 lbs. fat.

Florham Conqueror 203806 is out of Florham Polly 307689 that holds Second Place in G with a record of 15463.7 lbs. milk and 846.6 lbs. fat. "Polly" is by Langwater Country Gentleman 141585 and out of a former World's Record Cow in BB, Miss Bella of Rocky Reach 2d 68460, that has a record of 15084.0 lbs. milk and 825.3 lbs. fat.

Our Good Matrons are being bred to "Conqueror."

Federal Accredited

Blood Tested

MARTIN-VIOLETTE FARM

ERNEST H. MARTIN
Owner

Goshen Route 5, Indiana

ARTHUR MAGEE
Supt.

Federal Accredited
Herd No. 351978

HUGH BARCLAY
Owner

Our Junior Herd Sires

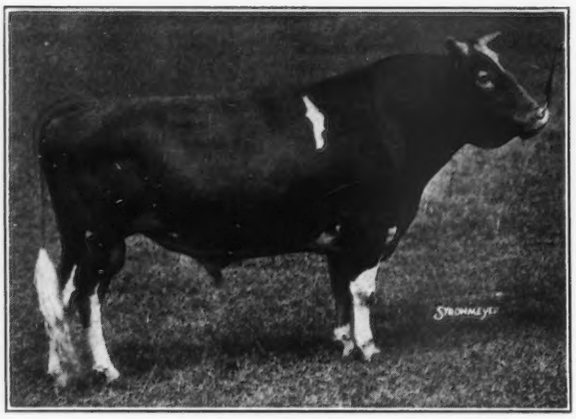
DOUGLASTON MANOR FARM

TRADE Reg U.S. MARK Pat Office

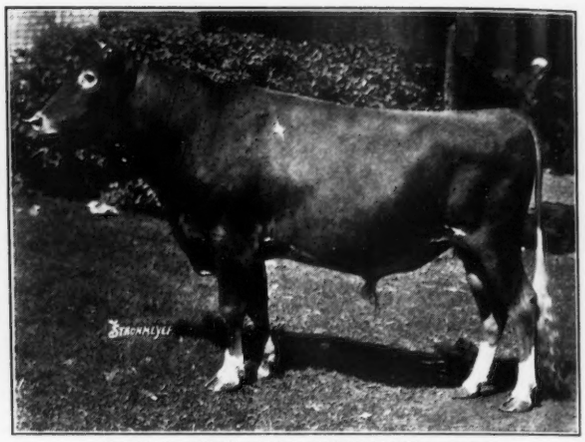
PULASKI, NEW YORK

New York Abortion
Free Herd No. 5

K. C. SLY
Herd Manager



IMP. DOUGLASTON KING JAMES 161526
Sire: Imp. May Rose Lad IV. of the Spurs 5257 P. S., A. R.
King's Cup on Island 1930
Dam: Imp. Krysta II. of Jetteries 248919
588.4 lbs. fat, Class AAA
683.1 lbs. fat, Class AA 3 A. R. daughters
"James", oldest daughter made 11646 lbs. milk, 607 lbs. fat, Class G



DOUGLASTON KING FREDERICK 161527
1st prize New York State Fair, 1929. Junior Champion 1930
Sire: Rockingham Autocrat 131896
Double grandson of Langwater Holliston 28055 A. R.
Dam: Imp. Sea Belle's Bountiful of Le Briquet 239222
461.2 lbs. fat, Class DDD
666.3 lbs. fat, Class B
771.5 lbs. fat, Class A
"Frederick's" oldest daughter made 567.1 lbs. fat, Class G. Dam made 557.1 lbs. fat, Class A

BIRCHFIELD

May Rose Guernseys Sequel

Massachusetts Accredited Abortion Free Herd No. 10

Federal Accredited Herd

FOR SALE

Two Exceptionally Good Bull Calves

BIRCHFIELD ANIMATOR
Birth Reported
Dropped January 30, 1934
Sire: LANGWATER MEADOW KING 205129
Dam: BIRCHFIELD ANIMATE 285523
12657.7 lbs. milk, 649.8 lbs. fat, Class G

BIRCHFIELD MONOMOR
Birth Reported
Dropped February 15, 1934
Sire: LANGWATER MEADOW KING 205129
Dam: BIRCHFIELD MONOPOLY 326097
12116.9 lbs. milk, 609.3 lbs. fat, Class G

Priced Reasonable

Pedigrees, Prices and Full Particulars on Request

Lawrence Grinnell
Proprietor

D. N. McLeod
Manager

South Dartmouth, Mass.

Coventry Farm Guernseys

FEDERAL ACCREDITED HERD
N. J. ACCREDITED ABORTION FREE HERD NO. 1

YOUNG MAY ROSE BULLS
with one or more crosses
to
Valentine III. 7514, P. S.
usually for sale at attractive prices

R. L. BENSON
OWNER

G. F. STONE
SUPT.

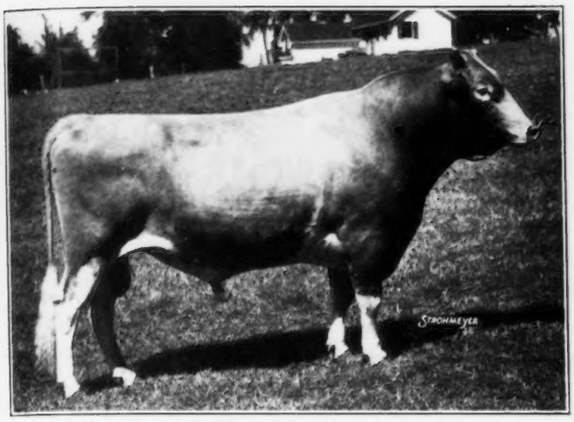
Princeton, New Jersey

Butterfat Governor 217087

A bull calf dropped February 26, 1934, that we are consigning to the

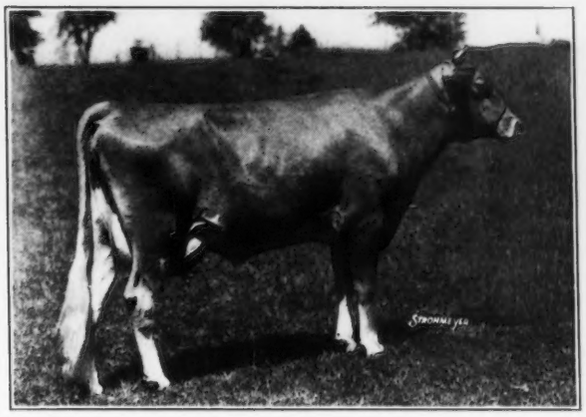
Hilltop, Argilla, Coronation, Douglaston, Rockingham Sale Monday, October 15, 1934

One of the very BEST Bred Bulls we have to offer through the BEST Producing daughters of these Two GREAT Island Families.



Sire: **Hilltop Butterfat 192478**

Is ou tof Imp. Hilltop Butterfat's Clara 160768, "Butterfat's" outstanding daughter and a grandson of Imp. Bonny of Cobo View 209566, one of Governor III. of Les Grantes 4089 P. S. greatest daughters.



Dam: **Hilltop Butterfat Governess 361541**

A real two year old with 5745.4 lbs. milk and 307.6 lbs. fat in 152 days in Class G, is by "Butterfat" and out of Imp. Golden Governess of Hilltop 201440, the third highest producing daughter of Governor III. of Les Grantes 4089 P. S.

Hilltop Butterfat 192478	Dunwalke Bonny Butterfat 138488	Imp. Blanchette's Butterfat 104968 A. R.	Imp. Primrose's Butterfat 104967 A. R.
			Governor III. of Les Grantes 4089 P. S.
		Imp. Bonny of Cobo View 209566	
	Imp. Hilltop Butterfat's Clara 160768 Milk, 15963.3 lbs. Fat 860.1 lbs. Class AAA World Record	Imp. Primrose's Butterfat 104967 A. R.	
		Clara's Pride II. R. G. A. S. 9536 P. S.	
Hilltop Butterfat Governess 361541	Imp. Primrose's Butterfat 104967 A. R.	Primrose Billy des Galliennes II. 4176 P. S., A. R.	
		Primrose of Courtil du Ray 5082 F. S.	
	Imp. Golden Governess of Hilltop 201440 Milk 15588.2 lbs. Fat 842.9 lbs., Class A	Governor III. of Les Grantes 4089 P. S., A. R.	
		May Queen of Duvaux V. 17597 P. S.	

Here you have the very best blood of these two families through the very best channels together with individuality and dairy temperament.

FEDERAL ACCREDITED — BLOOD TESTED

HILLTOP FARM

Trade Mark Registered U. S. Patent Office

SUFFIELD - CONNECTICUT

Geo. M. Hendee, *Prop.* **F. H. Smith, *Manager***

FRIENDSHIP

Accredited T. B. since 1919 — *Accredited C. A. since 1925*

VALOR'S CLIMAX 146507

The Daughters of Valor's Climax 146507 are showing splendid production. The first four to freshen testing in Class G are:

Friendship V. C. Vera 397626
288 days, 11726 lbs. milk, 527 lbs. fat

Friendship V. C. Gurexa 397627
280 days, 10856 lbs. milk, 517 lbs. fat

Friendship V. C. Princess 364967
216 days, 7795 lbs. milk, 315 lbs. fat

Friendship V. C. Buttercup 363641
73 days, 2583 lbs. milk, 103 lbs. fat

Besides production they have wonderful type, conformation and higher milk color than their dams.

If you need a bull write us how much you can afford to pay for same and we will give you the best available.

A. A. Thompson, Owner - Oak Hill Estate - Uniontown, Penn.

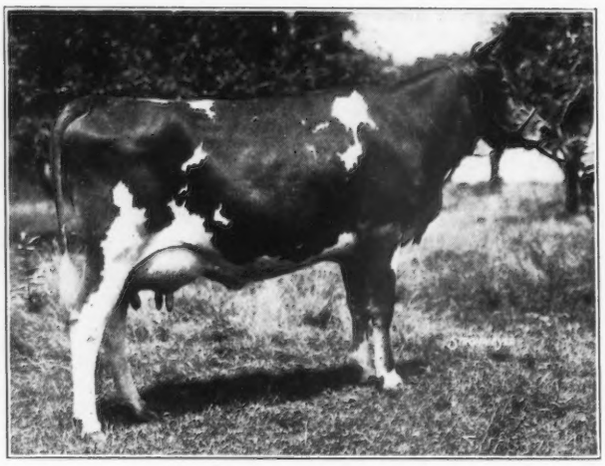
F. R. PORT, Manager

HIGH MILK COLOR GUERNSEYS

One More Son of Upland's Good Gift To Offer . . .

The last one we advertised has been shipped to Indiana

A FULL SISTER



FRITZLYN JEANETTE 332007, A. R.
13617.3 lbs. milk, 617.4 lbs. fat, Class G

FRITZLYN VAL JEAN 210753
BORN APRIL 16, 1933

Sire: Upland's Good Gift 77253, A. R.
Dam: Imp. Jeannie of Melrose 253801, A. R.

11210.6 lbs. milk, 498.9 lbs. fat, Class G. This record was made right after importation, and she was not fitted or in condition to test. She is the dam of 2 A. R. daughters. Her sire was Ironsides of Les Chevaliers 8181 P. S., winner of the King's Cup in 1926 and the sire of a number of A. R. daughters including the high priced cow, Daisy of Marais 37754, in the sale at Reading, England, this spring, and is the son of Imp. Sailor Lad V. of the Fontaines 123257.

Fritzlyn Val Jean 210735 is a full brother to Fritzlyn Jeanette 332007 that has a record in Class G of 13617.3 lbs. milk and 617.4 lbs. fat, 100% over requirements.

We also have several grandsons of Upland's Good Gift 77253 to offer that are approaching serviceable age.

Herd Federal Accredited and Blood Tested

FRITZLYN FARMS

WM. F. FRETZ
Owner

PIPERSVILLE, PENNSYLVANIA

G. E. LeWORTHY
Superintendent

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LANGWATER ALEXANDER 202052

Herd Sire of Starr Farm Guernseys

Breeder—John S. Ames, Langwater Farm, North Easton, Mass. Born—November 19, 1931. 5 nearest dams average 15785.74 lbs. milk and 782.06 lbs. fat. Strong in May Rose blood. His blood lines go back five times to Imp. King of the May 9001, two times to Langwater Warrior 26509.

Two Yearling Sons of "Alexander" For Sale

No. 1. Out of ***Flossie Pride of Beaver Meadows 234802.*** Produced in 365 days 13100 lbs. milk, 609 lbs. butter fat in Class A—unofficial.

No. 2. Out of ***Sheila of Watervliet 242097.*** Produced in 365 days 13500 lbs. milk, 712 lbs. butter fat in Class A—unofficial.

Both are splendid well-grown show type young bulls and will be guaranteed breeders. Price reasonable.

Good Grade Cows and Heifers for Sale.

Federal Accredited Herd

Wanted: Five unbred heifers out of tested cows from proved bull bred along May Rose lines.

STARR FARM

R. F. D.

Elkhart, Indiana

A. H. BEARDSLEY, Owner — ROY FICKIES, Manager

We Are Offering For Sale

A Son of "Primate"

Primate Sultan 216184
Born January 14, 1934

Sire: Langwater Primate 107127, A. R.
16 daughters of "Primate" have finished records in many different herds under all kinds of conditions. They average 11551.9 lbs. milk and 582.2 lbs. fat. Of these 16 daughters, 11 have tested dams. Computed to maturity, the daughters average 689.1 lbs. fat, while their dams average 667.9 lbs. fat. "Primate" is by Langwater Steadfast 31672 and out of Primrose of Langwater 104538, 12976.2 lbs. milk, 612.4 lbs. fat, Class E and 15413.2 lbs. milk, 689.7 lbs. fat, Class A. A Great Producing Dam.

Dam: Sequel's Gala 90735, A. R.
13567.9 lbs. milk, 644.1 lbs. fat, Class AAA, Class Leader Record 3rd place when made.
15734.6 lbs. milk, 830.1 lbs. fat, Class AA.
"Gala" is by Imp. Bountiful's Sequel 30498 and out of Gala of Weston 44093, 13782.2 lbs. milk, 760.8 lbs. fat, Class A. A Great Producing Dam.

THIS BULL IS GUARANTEED TO BE RIGHT IN EVERY WAY. PRICE $300.

We Also Offer

A Son of "College King"

College King's Majesty 216185
Born March 24, 1934

Sire: Rockingham College King 143581
1 A. R. daughter, others on test. First prize bull, 3 years and over. New England Fair and Eastern States Exposition, 1931, and Senior Champion, New England Fair, 1931. First prize bull, 3 years and over and Senior and Grand Champion, Trenton Interstate Fair, 1932. "College King" is by Langwater Holliston 28055, A. R., that has 56 A. R. daughters out of 72 registered. His dam is Mixter May Della 124202, 11329.6 lbs. milk, 595.9 lbs. fat, Class G and 14724.2 lbs. milk, 790.0 lbs. fat, Class AA. A Great Producing Dam.

Dam: Imp. Osceola Clara's Slogan 263658, A. R.
11684.7 lbs. milk, 585.3 lbs. fat, Class FF
11955.9 lbs. milk, 572.9 lbs. fat, Class BBB, Class Leader Record
17415.5 lbs. milk, 802.2 lbs. fat, Class A.
The last two records were made in out herd.
In our herd there are several outstanding matrons that are doing much to increase the type and production. "Clara's Slogan" is one of our foundation females. She is sired by Imp. Honoria's Sequel Slogan 126459, A. R. and out of Clara's Floe II. of Maple Lodge 22411 P. S.

THIS BULL IS PRICED AT $200.

For further information write

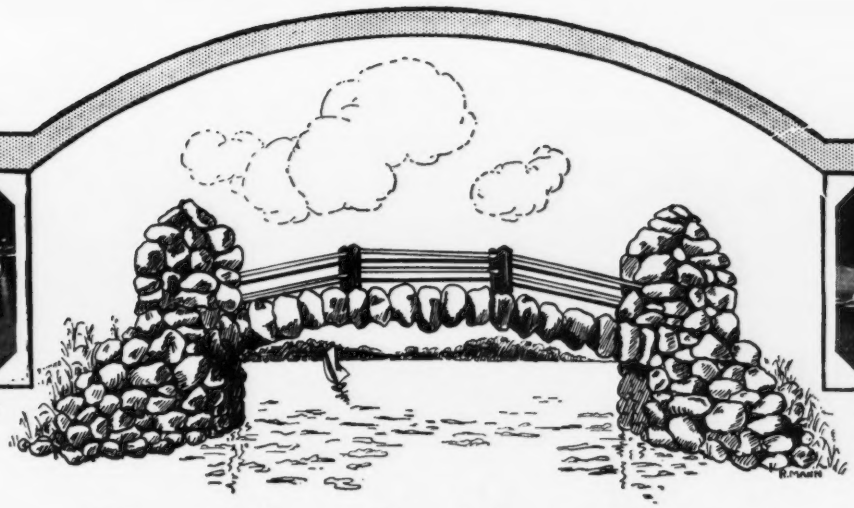
Federal Accredited **The Aldrich Farm** *Blood Tested*

Stuart M. Aldrich
Owner

Rehoboth, R. F. D. No. 1, Mass.

N. D. Knight
Manager

LANGWATER WALDORF



CAUMSETT HARVESTER

Boulder Bridge Farm

Exhibits During 1934

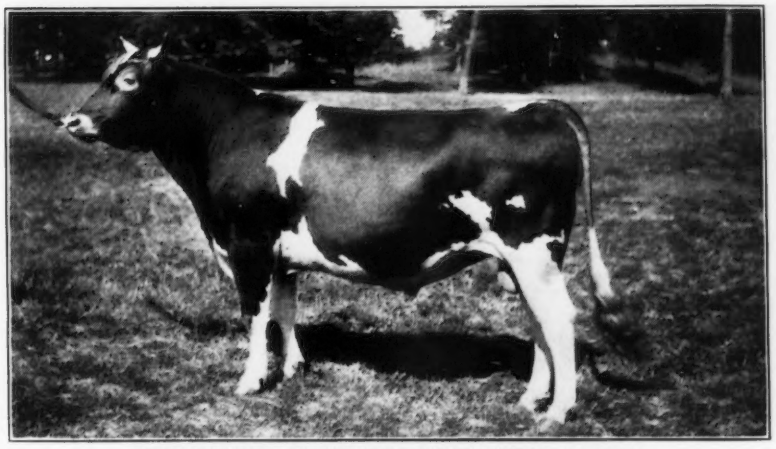
With two exceptions an entirely "Home Bred Herd"

Representing offsprings of

Waldorf Harvester Premier

Headed by

The son of a Champion out of a World Record Dam



BOULDER BRIDGE PREMIER 189172

Grand Champion Iowa and Minnesota 1933
Sire: Langwater Waldorf 128541
Dam: Silverwood Diana 82940
Milk 20006.4 lbs., Fat 974.8 lbs. Class AA
(World's Record in Class AA)

Your Inspection will be Welcomed by all Attendants

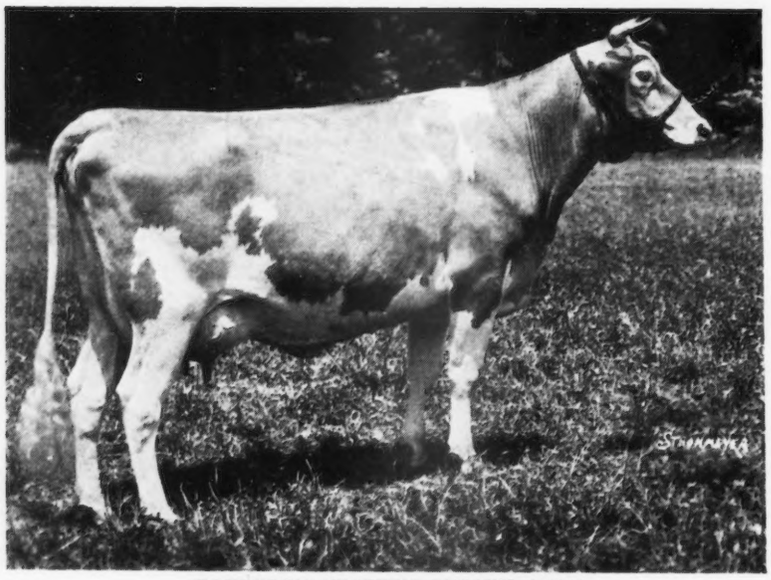
Boulder Bridge Farm

G. N. Dayton
President

STATE HIGHWAY NO. 7
EXCELSIOR, MINNESOTA

L. V. Wilson
Superintendent

FALL SALES . . . .



FOXBURG'S NEATER'S JONQUIL 323054
6,465 lbs. milk 337.5 lbs. fat, Class C. T. A. (2 yr.) 303 days

Foxburg Farms Herd Dispersal

Foxburg, Pennsylvania

Monday, October 8, 1934

90 HEAD

Including 34 daughters of Ward Acres Neater 144863 (Langwater Africander 57121, A. R.—Grassland Anita 118954, A. R., 19,034.5 lbs. milk, 818.5 lbs. fat, Class A.)

Hilltop, Argilla, Coronation, Douglaston, Rockingham Sale

Hilltop Farm, Suffield, Connecticut

Monday, October 15, 1934

45 HEAD

5 Bulls 30 Cows 10 Heifers

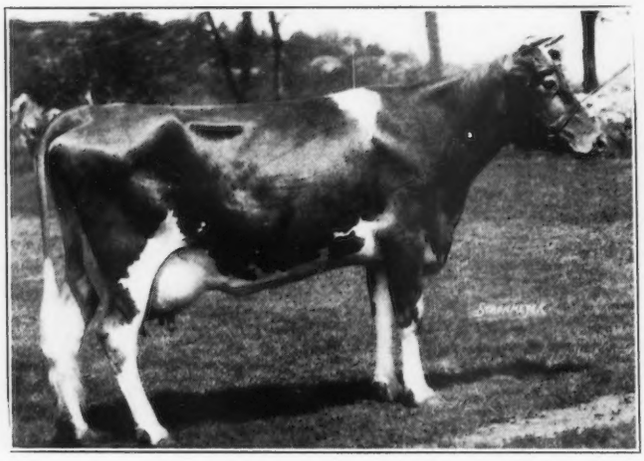
Trenton Consignment Sale

Trenton Interstate Fair Grounds
TRENTON - NEW JERSEY

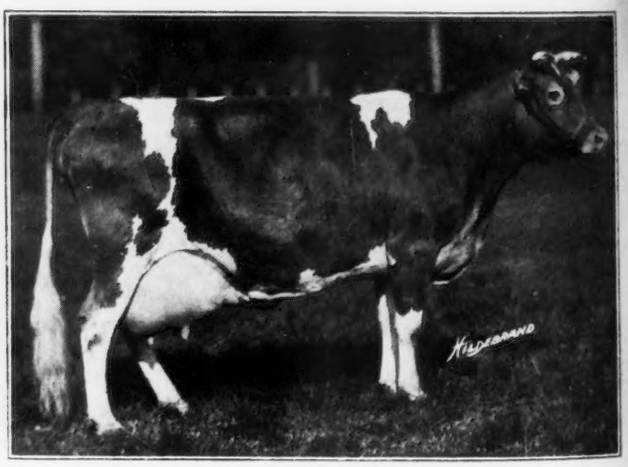
Wednesday, October 17, 1934

75 HEAD

6 Bulls 50 Cows 19 Heifers



ARGILLA FORMOSA 303088, A. R.
12,712.3 lbs. milk, 667.6 lbs. fat, Class G
15,875.8 lbs. milk, 854.5 lbs. fat, Class E (Unofficial)

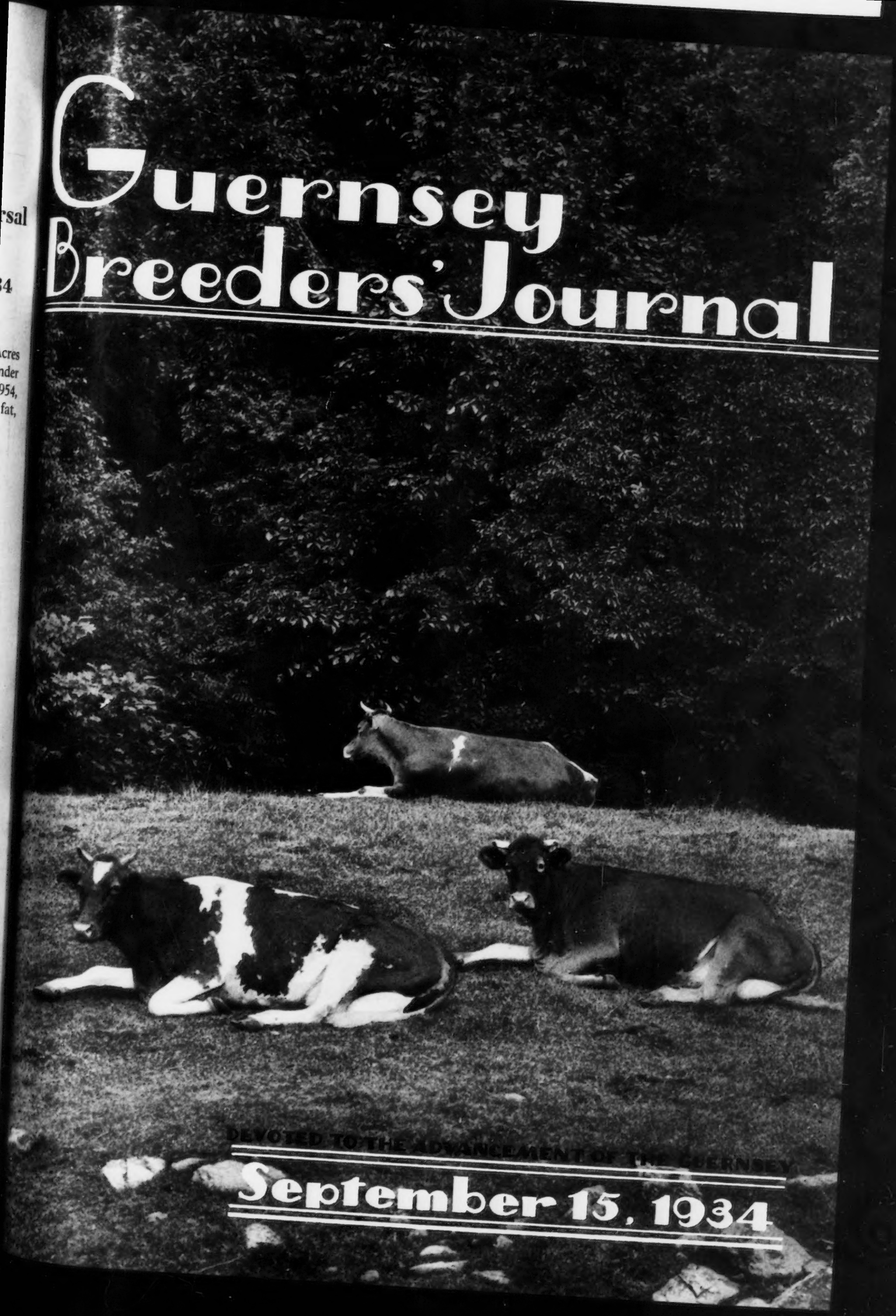


HOMESTEAD FOREMOST DAIRYMAID 250920, A. R.
10,671.9 lbs. milk, 506.7 lbs. fat, Class C
9,941.2 lbs. milk, 503.10 lbs. fat, Class A
293 days, still on test
Senior and Grand Champion Female, Maryland State Fair, 1933. Winner Bloomfield Farm Trophy. 1st A. R. Cow.

All cattle offered will be Federal Accredited for T. B. and from herds entirely negative to the agglutination test for Bang's disease.

THE HERRICK-MERRYMAN SALES COMPANY, SPARKS, MARYLAND

Guernsey Breeders' Journal



DEVOTED TO THE ADVANCEMENT OF THE GUERNSEY

September 15, 1934

FOREMOST GUERNSEYS

We Are Consigning

to the

NORTH CAROLINA FALL SALE

to be held

October 11, 1934

At Salisbury, North Carolina

FOREMOST GUERNSEY BULL

Revolution's Yeoman 214195

Dropped: February 18, 1933.

SIRE: Foremost's Revolution 130290, A. R. Sire of 5 A. R. daughters, including: Friendship R. Edith 276080, A. R., Class GG, 13673 lbs. milk, 714 lbs. fat, Pennsylvania State Champion; Friendship R. Fredrika 268105, A. R., Class DD, 15379 lbs. milk, 682 lbs. fat. This Bull was leased and used by A. A. Thompson, Uniontown, Pennsylvania, and his daughters in milk made their records there.

DAM: Yeoman's Mixter Sylvia 87600, A. R., Class G, 10983 lbs. milk, 586 lbs. fat; Class A, 12977 lbs. milk, 670 lbs. fat. Third prize aged cow Eastern States Exposition, 1924; sixth prize National Dairy Show, 1924. Dam of May Royal's Sheik 146505, first prize and Junior Champion at 10 shows in 1928 and first prize National Dairy Show.

WE ALSO HAVE SONS OF Langwater Valor 79775, A. R., Foremost Masterpiece 159266, A. R., Royal Supreme 137088, A. R., Foremost's Bell Buoy 117666 and Foremost Nobly Born 182562.

Write For Prices, Or Better Visit The Farm and See The Bulls and Their Ancestry.

FEDERAL ACCREDITED BLOOD TESTED

EMMADINE FARM

Hopewell Junction (Dutchess County), New York

J. C. Penney, Owner **W. K. Hepburn, Manager**

The Drought And Guernseys

BY KARL B. MUSSER

THE tragedy of those who are in the heart of the drouth area is to say the least heart-rending. Considerable more than 4,000,000 cattle have been removed from the area, many shot at pasture and about half condemned as unfit for food, while the rest have been porked or placed where pastures would in ninety days fit them for porking. The latter make up about one-fifth of the total.

Strenuous efforts have been made by government officials, cooperating with state extension workers, to save the breeding herds. It has been authentically stated that loans for feed are available and take but five days to clear. This loan as suggested was for three dollars a head each month with intervals of twenty-five days for renewal. In addition, urgent requests that herds in the drought area take advantage of the disease control work, for which ample funds have been appropriated, is made with the thought that reducing the herd by removing the undesirable members would not only improve the breeder's chances when a normal season arrives but reduce his need for feed.

It is not our purpose here to further expand on an already "overplayed" situation, but rather to report some facts which should enable our readers to proceed in forecasting the results with more accuracy than can be done by taking the headlines of the daily press.

The total farm population of the admixed area that has suffered real loss is but seventeen per cent of the total farm population of the United States.

The total farm income in the United States for 1934 will, it is estimated, exceed last year by a liberal $2,000,000,000. It is true this includes bounties and relief. The fact remains, however, that regardless of where the money comes from it will be there for expenditures. The income for livestock, poultry and dairy products is predicted to be in excess of 1933 by three-quarters of a billion dollars.

It is obviously true that there will be a glut in the hide market which we understand the government will relieve by purchasing leather for use in relief work in the form of shoes primarily. What this will do to the shoe trade is of course problematical.

Some areas are enjoying bumper crops. The wheat situation is not as bad as has been generally reported. Feed prices are on the increase and unless care is taken in supervision they will increase much more than the situation warrants.

We have secured authentic data as to the number of Guernsey cattle in the area where feed conditions will be severe. Less than eight per cent of the pure bred Guernsey population is effected, and of course less than this percentage in the number of breeders effected.

It would seem that there should be little if any adverse effect on the Guernsey business as a result of the drought. It would seem more probable that it would tend to strengthen our market for the following reasons: First, it is highly probable that one of the first things the farmers in the drought area will do to secure ready cash will be to purchase dairy stock as soon as they feel there will be feed available. This logical step has always appealed to any distressed agricultural area. Second, if the first is true then the Guernsey, the most popular breed in America, will naturally be chosen in larger numbers than any other breed. The price may have some effect but it is safe to reason that they will get more than their share of recognition.

The drought is tragic to those who are in it. It is of concern nationally, although it apparently will have no effect on the gross agricultural income compared to last year. While the drought affects the dairy industry mildly, it apparently will help the Guernsey business.

We appreciate the tragedy of the drought area. We have been through two of them and no statement here is meant to belittle the suffering—but it is apparently a fact that the effect of the drought upon the nation as a whole has been sadly over-publicized and in turn added to the already surplus of fear in the minds of the people in America who must lead us out of the depression.

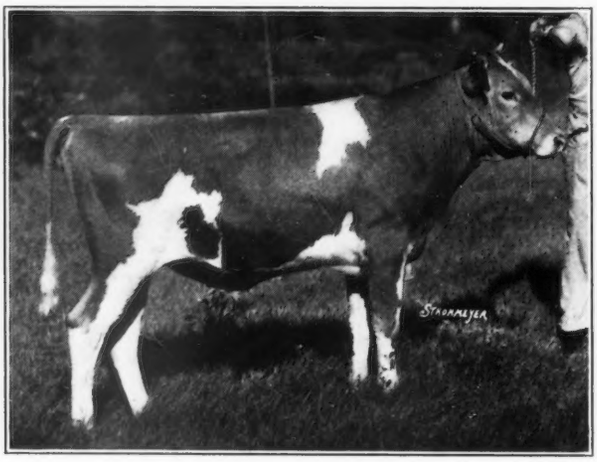
A Grandson of Brilliant Lassie 86452

Champion Long Distance Cow, 11 records averaging 12703.9 lbs. milk and 652.2 lbs. fat, and a son of Rockingham Twilight 316681 with a Class D Honor Roll Record when made.

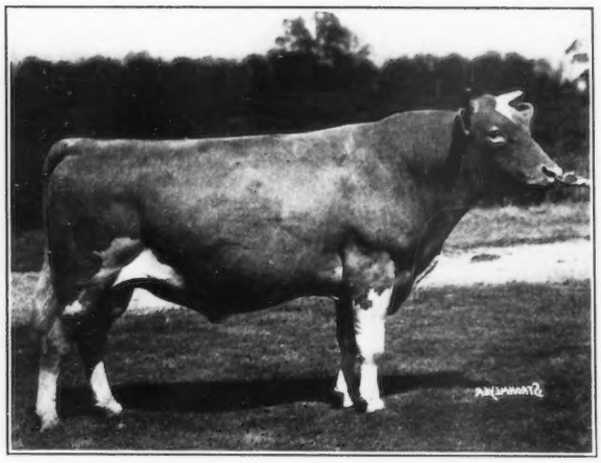
***Consigned to the* Hilltop, Argilla, Coronation, Douglaston, Rockingham Sale**
Hilltop Farm, Suffield, Connecticut, October 15, 1934

ROCKINGHAM ROYAL SATELLITE

Born May 20, 1933

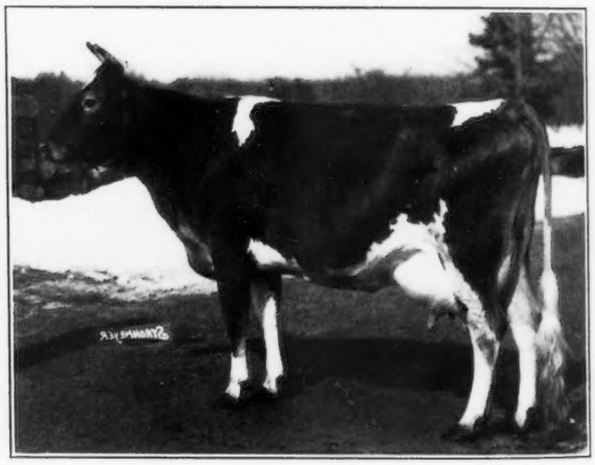


His Sire



ROCKINGHAM ROYAL HOLLISTON 112267, A. R.
Of his 19 registered daughters, 8 are in the Advanced Register including Rockingham Royal's Betty 222398, A. R., 12753.4 lbs. milk, 626.6 lbs. fat, Class C, and Rockingham Ada 302212, A. R., 13374.9 lbs. milk, 662.4 lbs. fat, Class C. Also 2 A. R. sons. "Royal Holliston" is a son of Langwater Holliston 28055 and the Champion A. R. Long Distance Record Cow of the breed, Brilliant Lassie 86452, that has 11 records including 13870.0 lbs. milk, 746.3 lbs. fat, Class EE.

His Dam



ROCKINGHAM TWILIGHT 316681, A. R.
12825.4 lbs. milk, 664.5 lbs. fat, Class G; 16726.5 lbs. milk, 845.1 lbs. fat, Class D, Honor Roll when made. A daughter of Langwater Holliston 28055 and out of Imp. Starlight of the Fontaines 104102, A. R., 11450.0 lbs. milk, 583.2 lbs. fat, Class F. Dam of 1 A. R. son and 4 A. R. daughters. She should have within the next six months 8 A. R. progeny.

OTHER CONSIGNMENTS: Daughters of Rockingham Sailor Prince 170277, A. R., Rockingham Royal Holliston 112267, A. R. and Rockingham Ne Plus Ultra 165452, A. R.

ROCKINGHAM and GREYCOURT FARMS

SALEM, NEW HAMPSHIRE — METHUEN, MASSACHUSETTS

Federal Accredited and Negative to Blood Test

C. E. TISDALE, *Manager*

Address correspondence to D. G. TENNEY, *Owner,* 535 Fifth Avenue, Room 1002, New York City